	MS-GPC-								
1	8-27-7	8-27-10	8-6-13	8-27-41	8-6-47	8-10-57	8-6-27	&	9-8
Plastic	-0.004	-0.020	-0.022	-0.025	-0.001	0.005	0.007	-0.022	-0.018
BSA	-0.003	-0.019	-0.021	-0.022	800.0	0.003	0.003	-0.016	-0.019
Testosterone									
-BSA	-0.005	-0.010	-0.012	-0.007	0.011	0.003	0.007	-0.009	-0.012
Lysozyme	-0.005	620.0-	620.0-	-0.073	0.013	0.014	0.006	-0.081	-0.072
human								•	
Apotransferrin	-0.009	-0.016	-0.018	-0.018	-0.005	-0.008	-0.004	-0.014	-0.016
MHCII		007			007			( 1	
(DRA*0101/	1.549	1.493	1.46/	1.525	1.400	1.256	1.297	1.058	1.306
DRB1*0401)									····

Fig. 1A





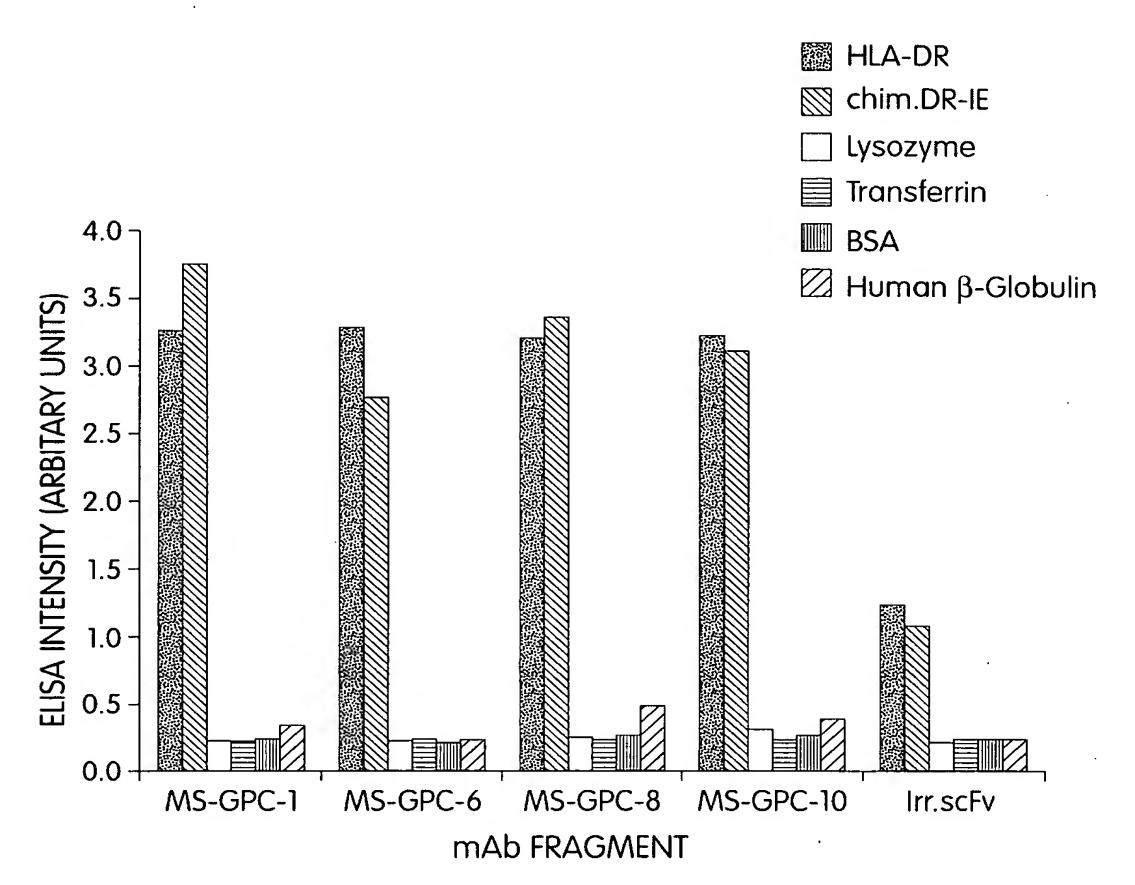


Fig. 1B

				3/57			
	305D3	+	+	į	1	ı	1
IgG	1C7277	+	+	I	ı	ı	1
	1D09C3	+	+	ı	ı	ı	•
	170	+	+	ı	ı	ı	1
	159 170	+	+	ı	ı	ı	ı
	FD	+	+	ı	i	ı	I
scFv	E6	+	+	1	ı	1	1
	B8	+	+	ı	ī	ı	ı
	A1	+	. +	ı	1	ı	ı
	8A	+	+	ı	1	1	•
	73	+	+	ı	I	ı	ı
	5C	+	+	1	1	ı	ı
	45	+	+	ı	1	ı	•
	2E	+	+	1	ŧ	1	ı
	17	+	+	9	,	ı	ı
Towart Drotoing	Iaigel Fiotenns	DR4Dw4 Purified	Chimeric DR-IE purified	Lysozyme	Transferrin	BSA	Human gamma globulin

b. In Elisa, OD (at 370 nm - background): < 0.5 a. In Elisa, OD (at 370 nm - background): > 1.5

										4	/57	7							
	305D3	+	+	+	-/+c	+	+	+	-/+	+	+ 1	-/+	+	-/+	1 1 1	nt		74	
IgG	1C7277	+	+	+	+	+	+	+	+	+	+ 1	-/+	! ! + ! !	ı	       	nt		93	
	1D09C3	+	+	+	+	+	+	+	+	+	+ 1	-/+	 	-/+	   	nt		88	
	170	+	+	+	+	+	+	+	+	+	+ ;	nt	nt	nt	nt	nt		5	
	159	+	+	+	+	+	+	+	+	+	+ ;	nt	nt	nt	nt	nt			
	FD	+	+	+	+	+	+	+	+	+	! 1 + !	+	- <del>-</del> + ;	t	       	ı		34	
	E6	+	+	+	+	+	+	+	+	+	+ :	+	+-+	. '	1 1 1	ı		75	
	B8	+	+	+	+	+	+	+	+	+	+ ;	+	+	1	' '	+	llede	59	
scFv	A1	+	+	+	+	+	+	+	+	+	+	1	1 1 1	ı	, !	ı	Cells Killed <sup>e</sup>	33	1
	8A	+	+	+	+	+	+	+	+	+	+ 1	+	+!	+	+	+	% Ce	68	•
	73	+	+	+	+	+	+	+	+	+	1 + 1	ntq	nt	nt	nt	nt		22	
	5C	1	ŀ	ı	+	-/+	+/-	<del>'</del> +	-/+	ı	+-	1	1 1 1	1	1 1 1	ı		32	
	45	q-	t	ı	+	ı	+	ı	+	ŧ	+ !	1	+	1	' !	ı		28	
	2E.	+	+	+	+	+	+	+	+	+	+	1	1 l	1	, l	1		20	
	17	+a	+	+	+	+	+	+	+	+	+ !	+	-/+	1	 	ı		75	
DRB1*		0101	15021	0301	0401	0405	0404	8031	9012	1302	1401	B3*0101	B4*0101	DP0103/0402	DP0202/0201	DQ0201/0602			
HLA-		DR1	DR2	DR3	DR4Dw4	DR4Dw10	DR4Dw14	DR8	DR9	DR13	DR14	DRw52	DRw53	DPw4/w4.2	DPw2/w2.1	DQ7/w2	Target Cell	PRIESS	

**TAB089** 

BIN40

E4181324

LG2

**PRIESS** 

TS10

VAVY

Cell Line

a. FACS analysis, mAb + FITC-anti human  $\lg G_4$ , mean fluorescence intensity > 30.

L256.12

L21.3

L25.4

L257.6

L105.1

WT47

TEM

DKB

Fig. 2

b. Mean fluorescence intensity < 10.

c. Mean fluorescence intensity 10-30.

d. Not tested.

e. Based on viable cell recovery after treatment with 200nM scFv plus 100 nM anti-FLAG or 50 nM mab at 37°C for 4h. Determined by light

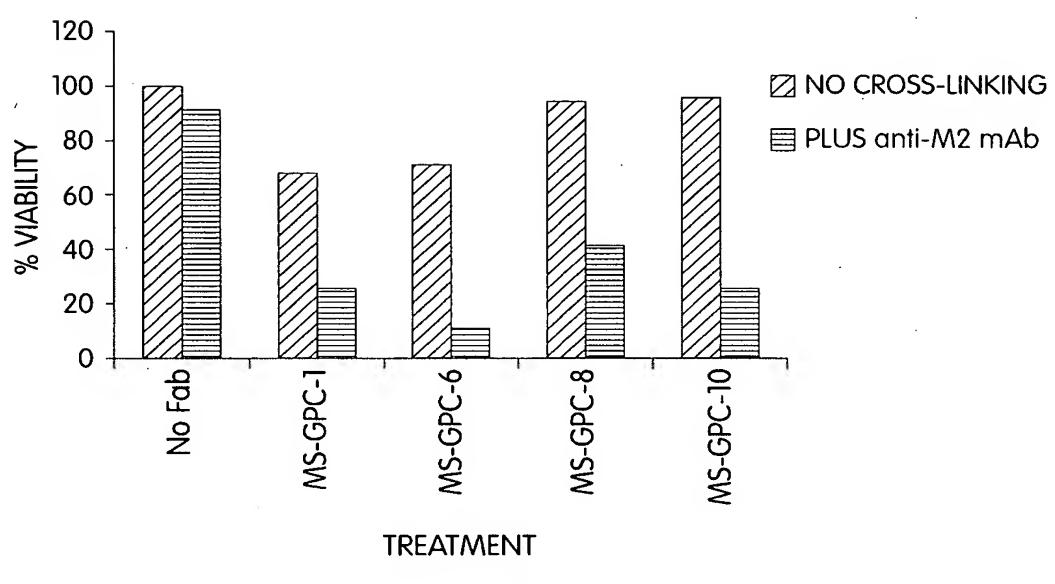
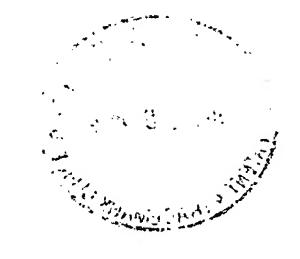


Fig. 3





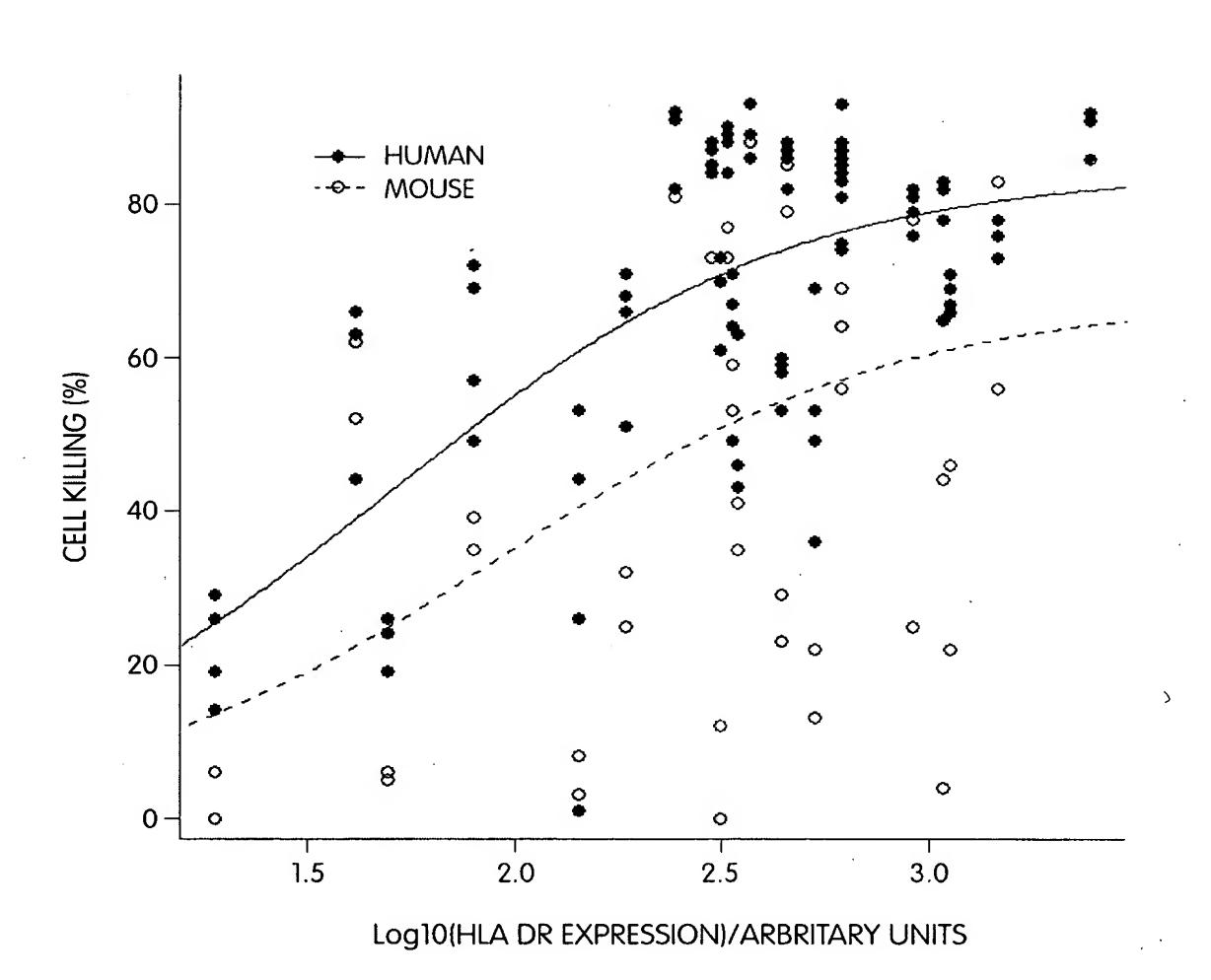
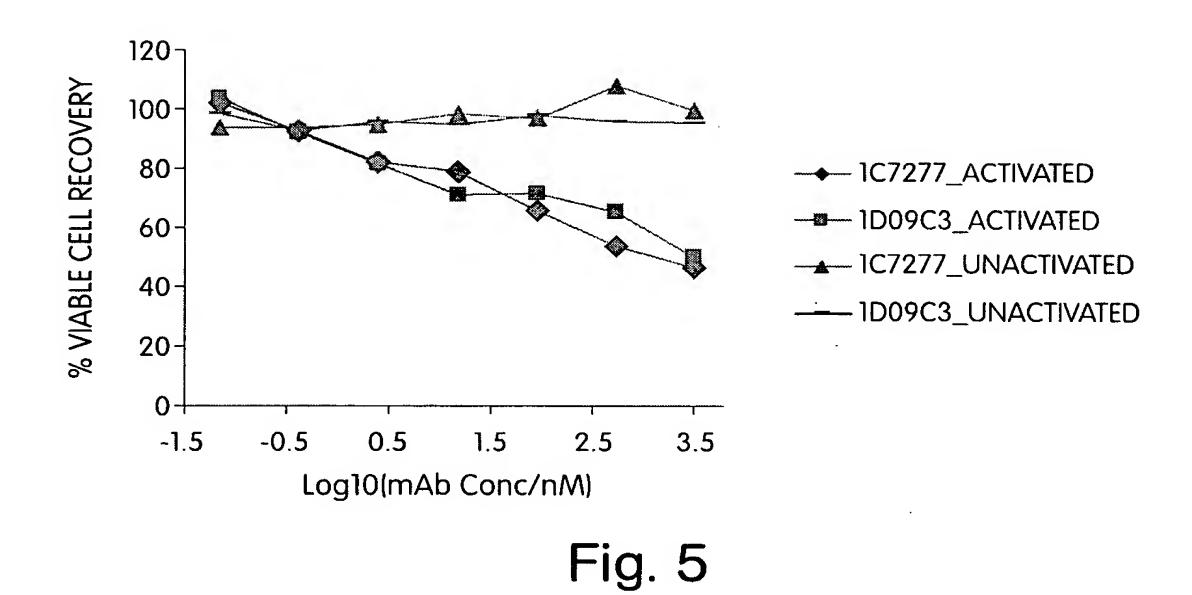
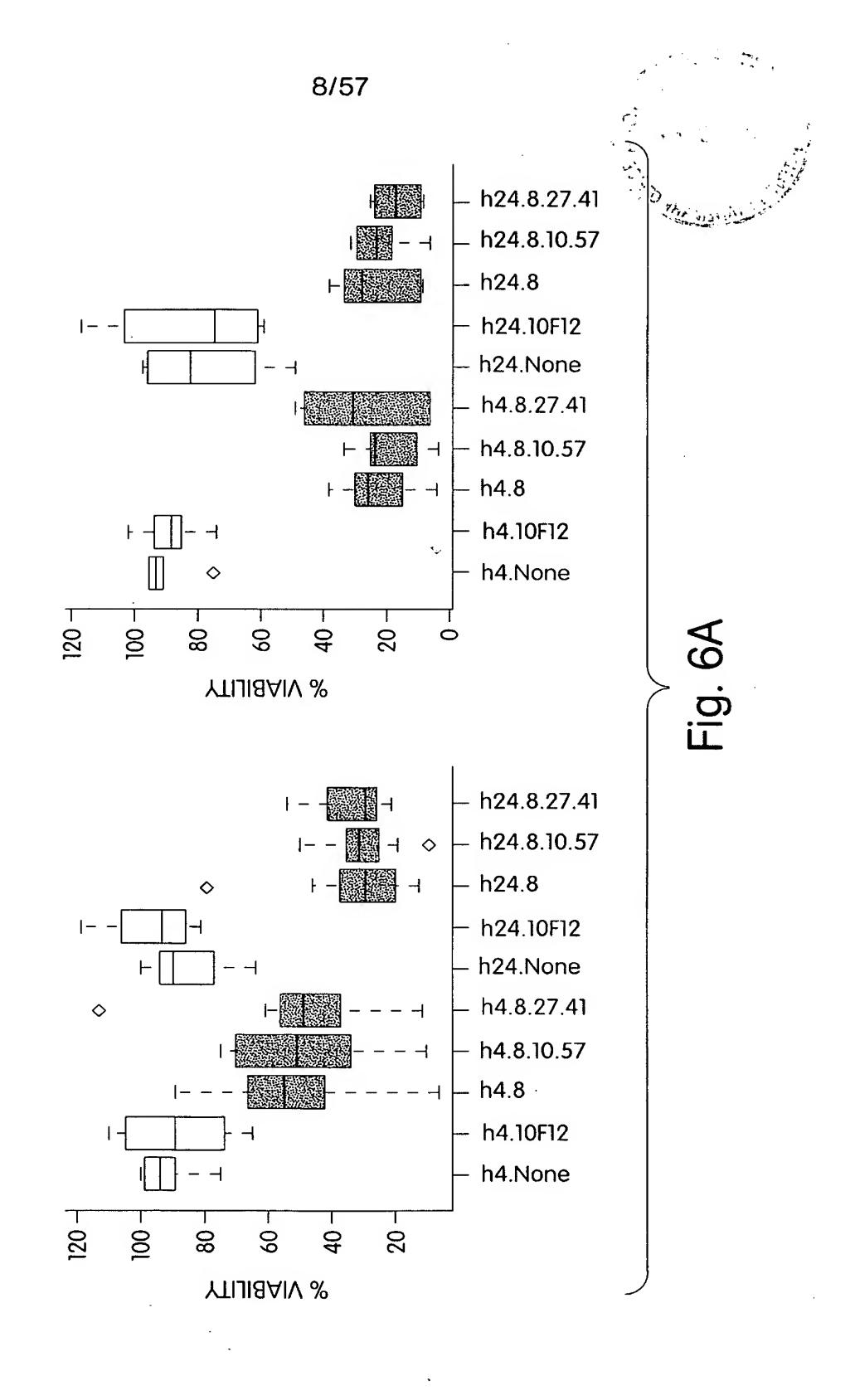


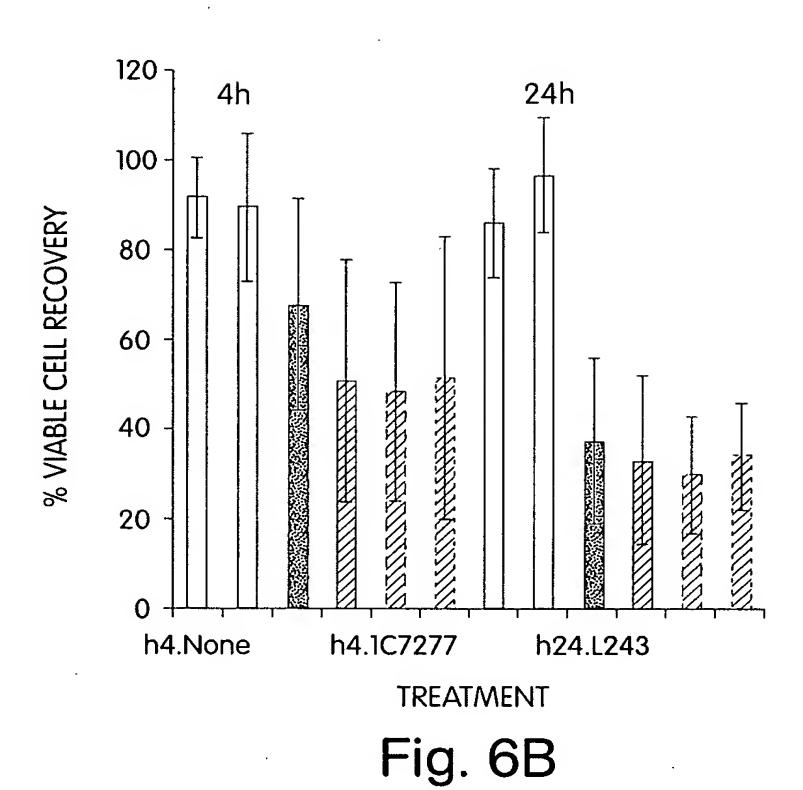
Fig. 4



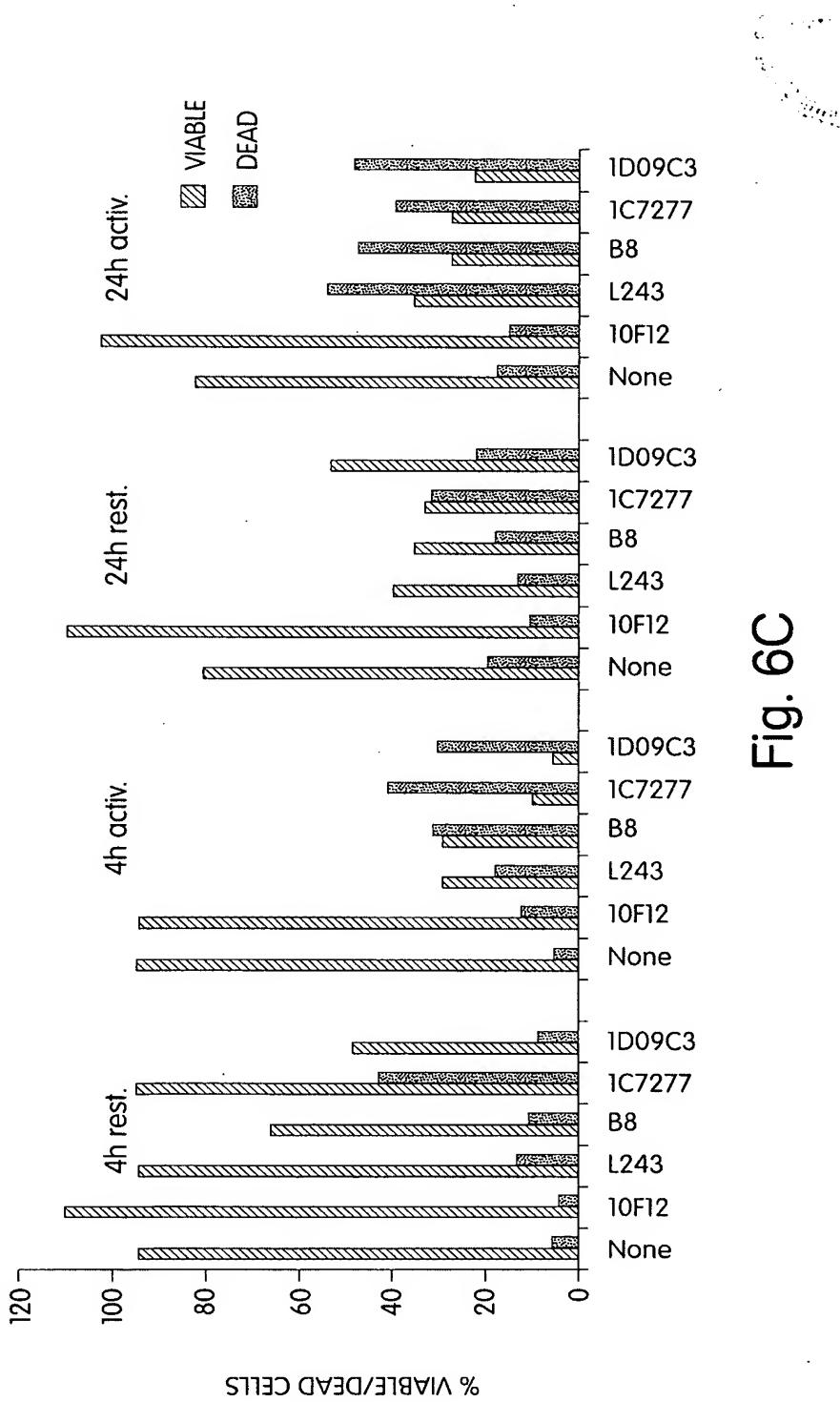




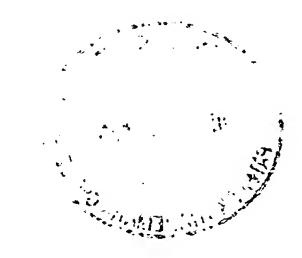












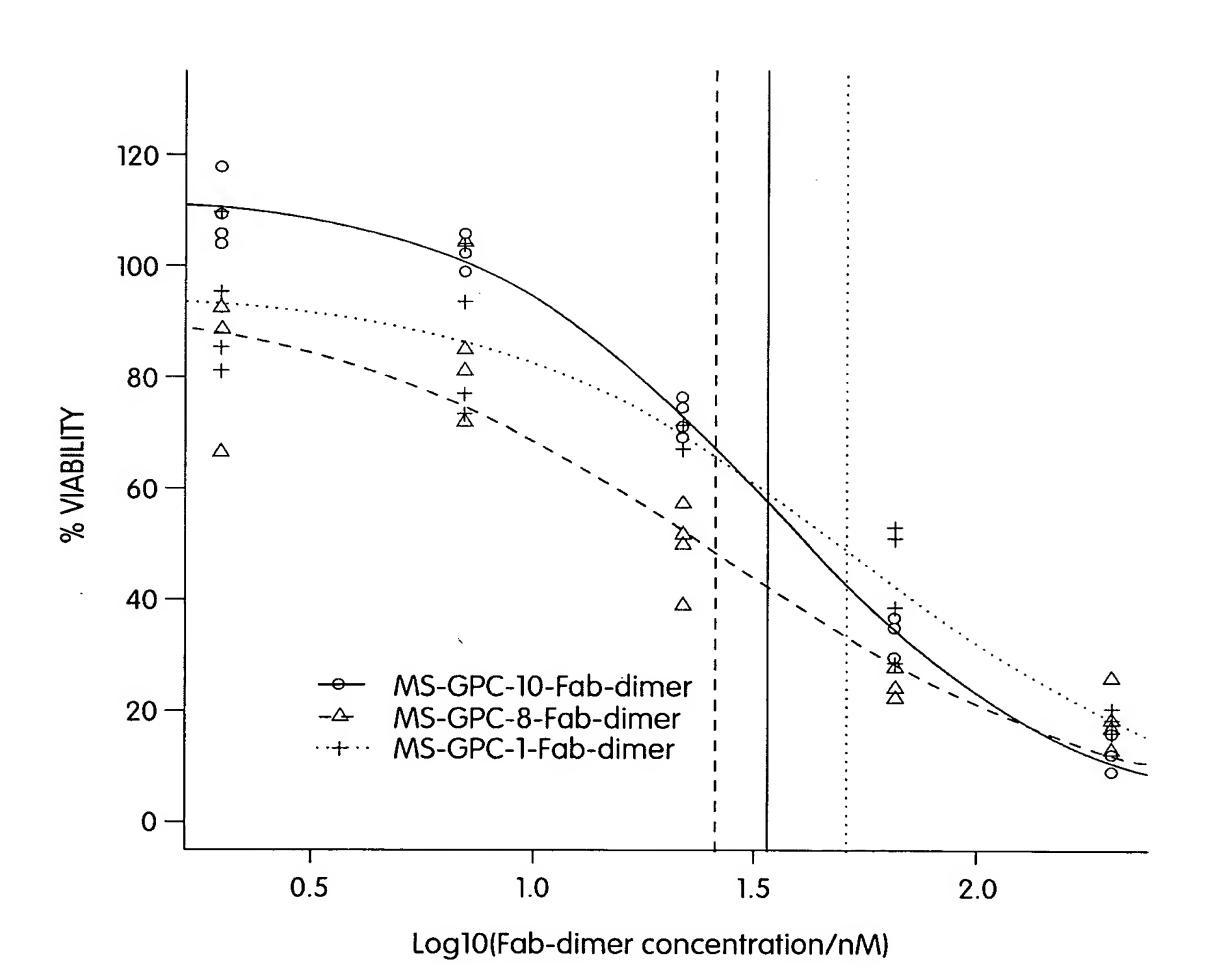


Fig. 7A





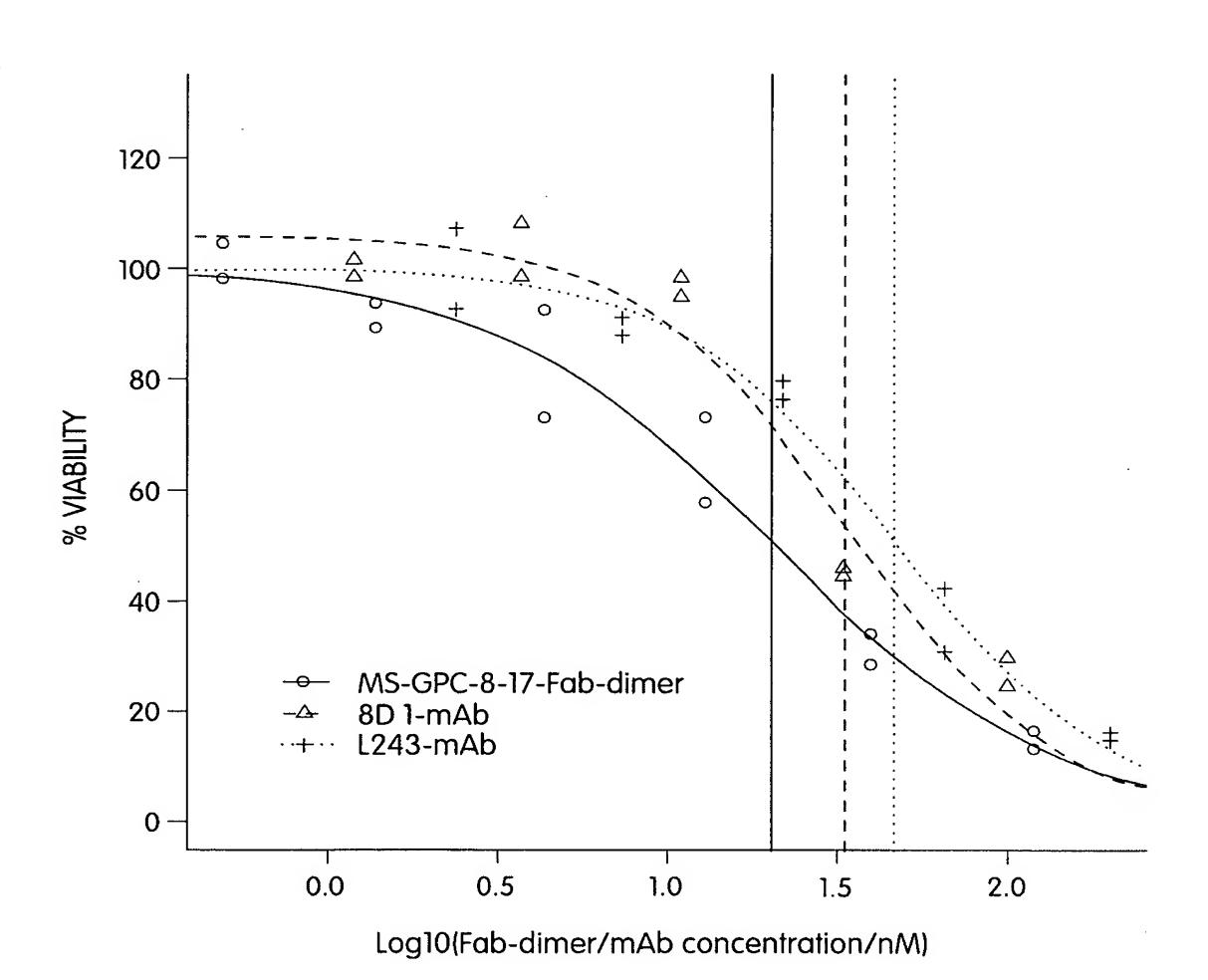


Fig. 7B



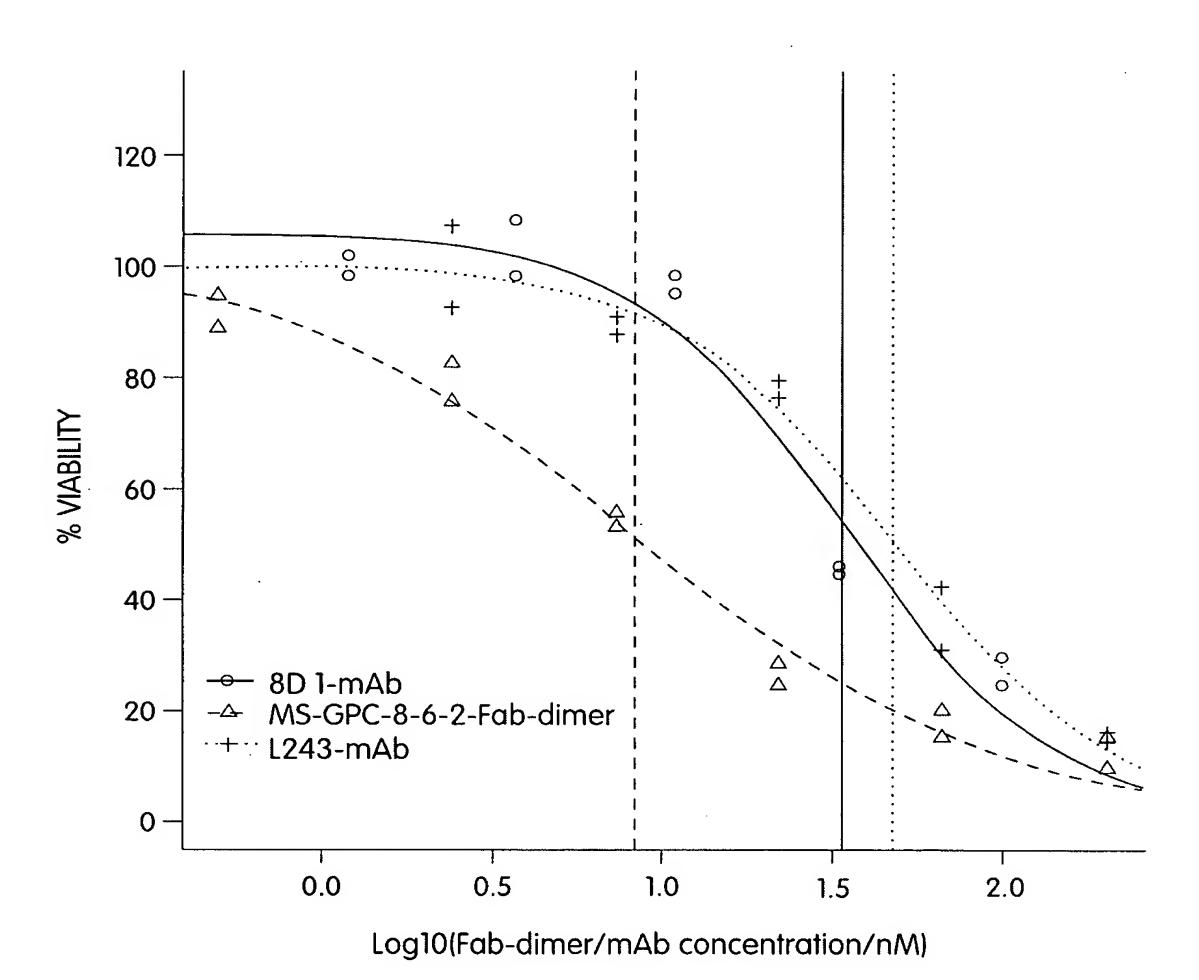


Fig. 7C

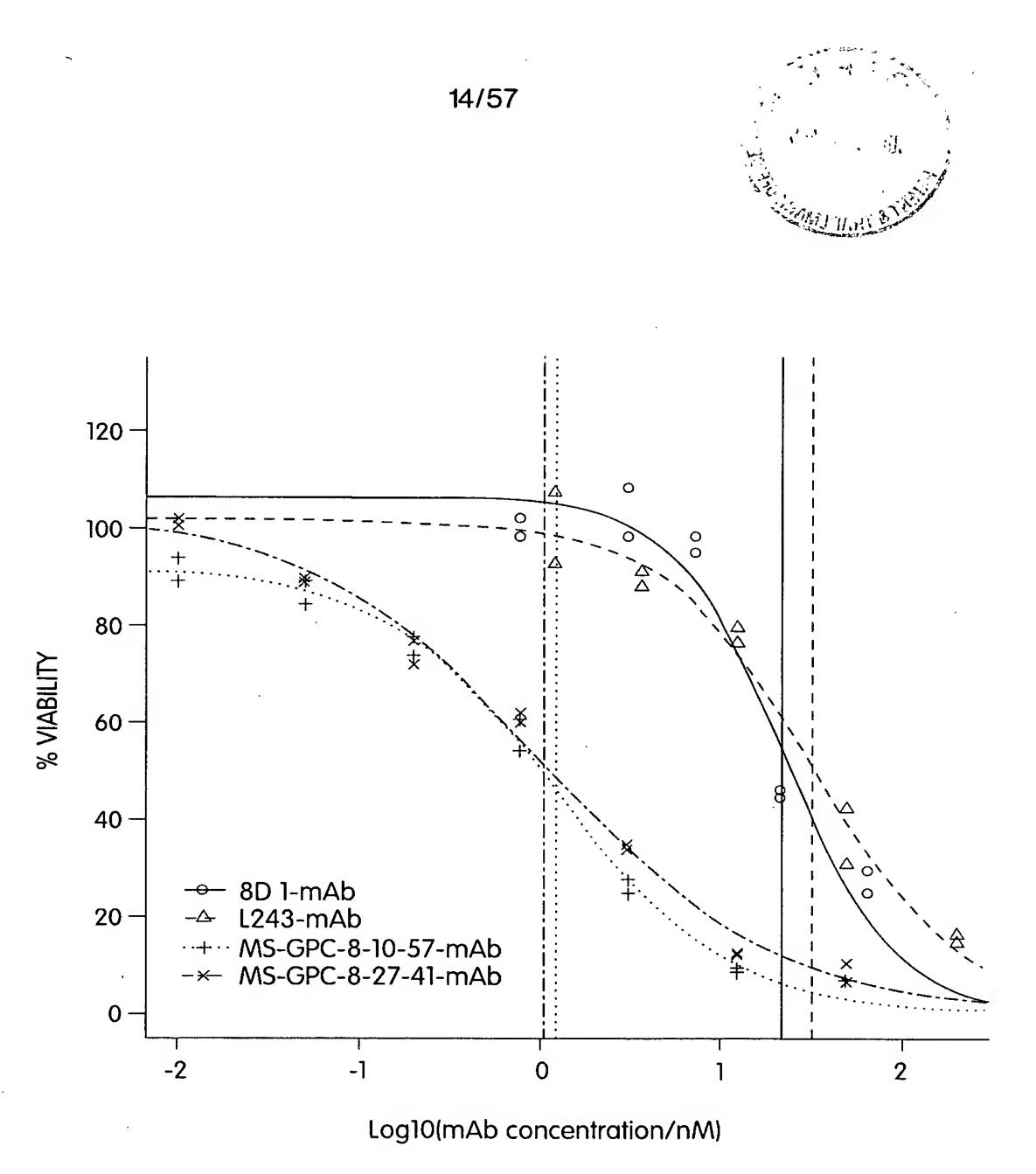
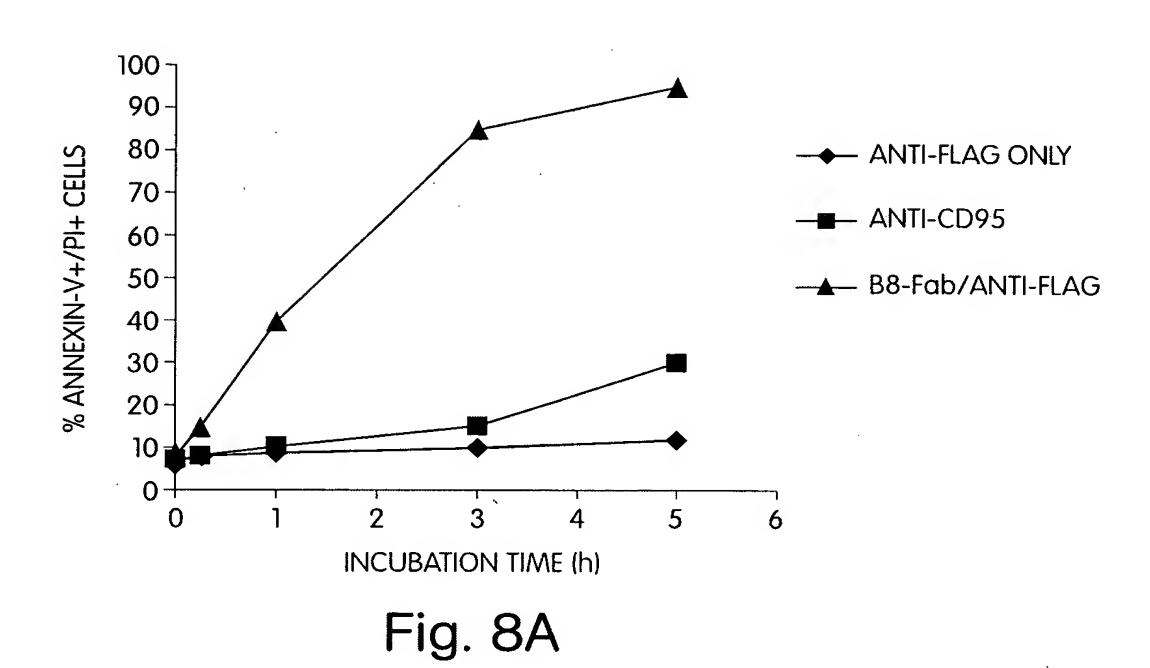
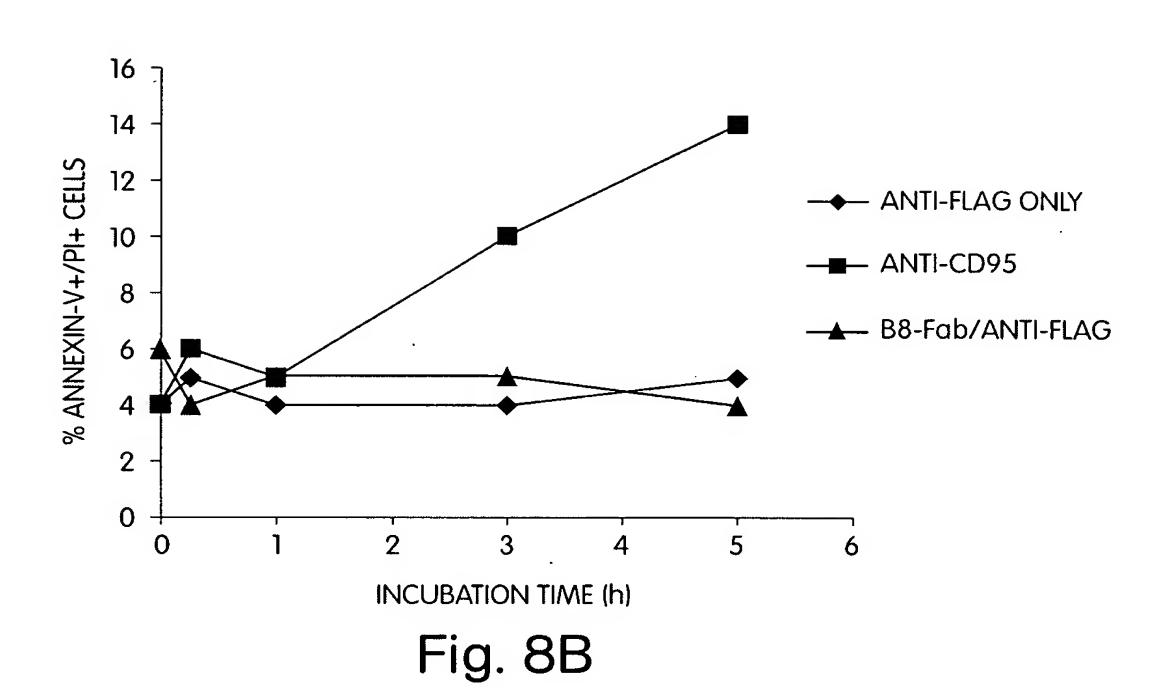


Fig. 7D



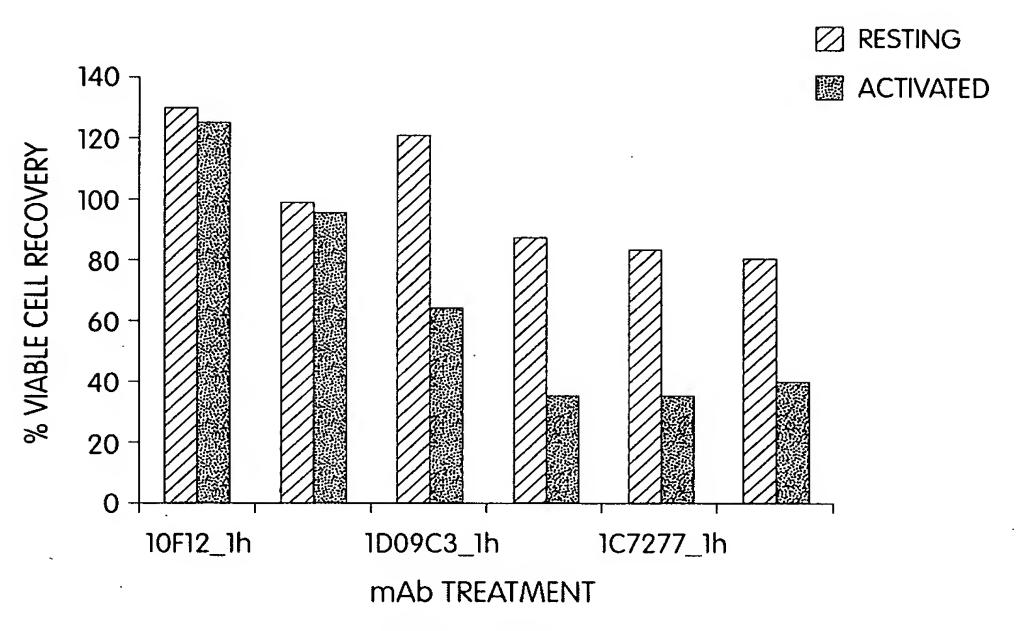






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Fig. 8C



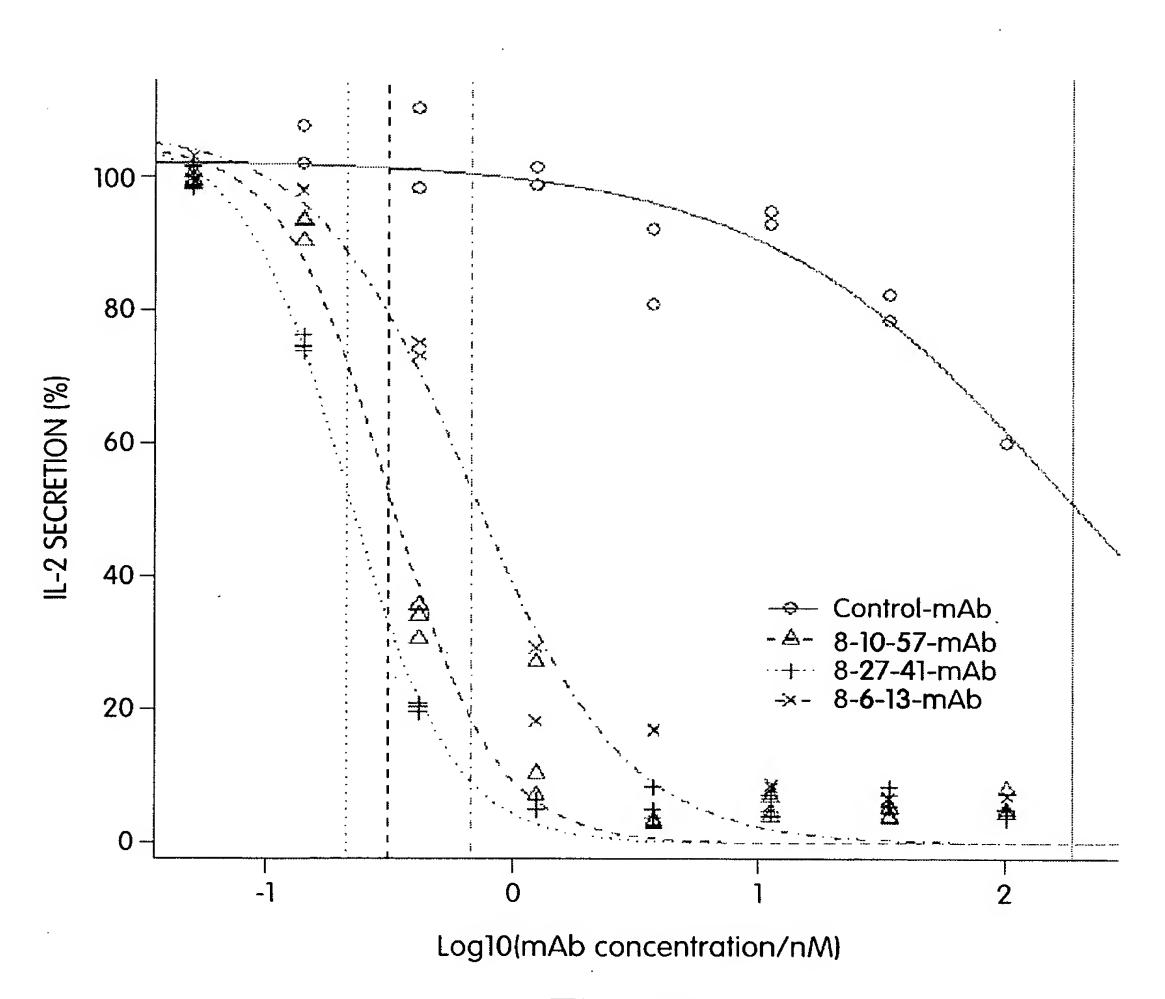


Fig. 9A



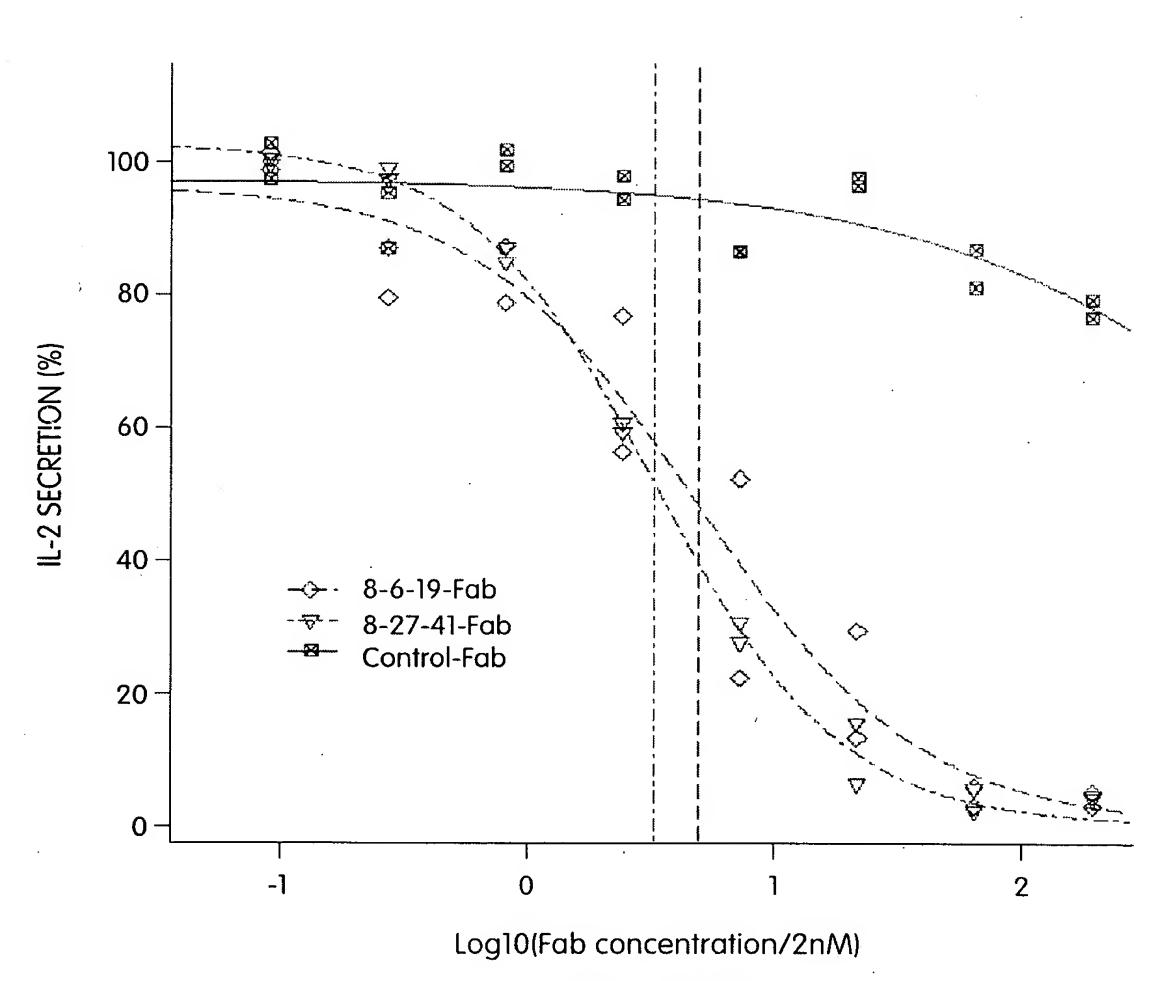


Fig. 9B

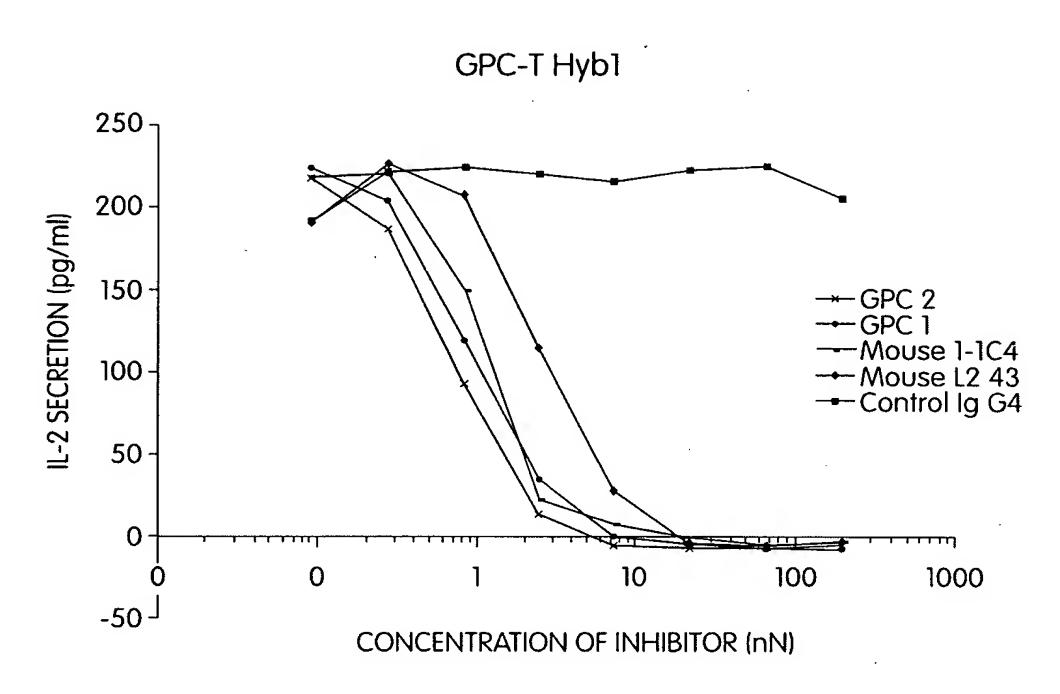


Fig. 9C



### Cell line NG-TcL HA-10

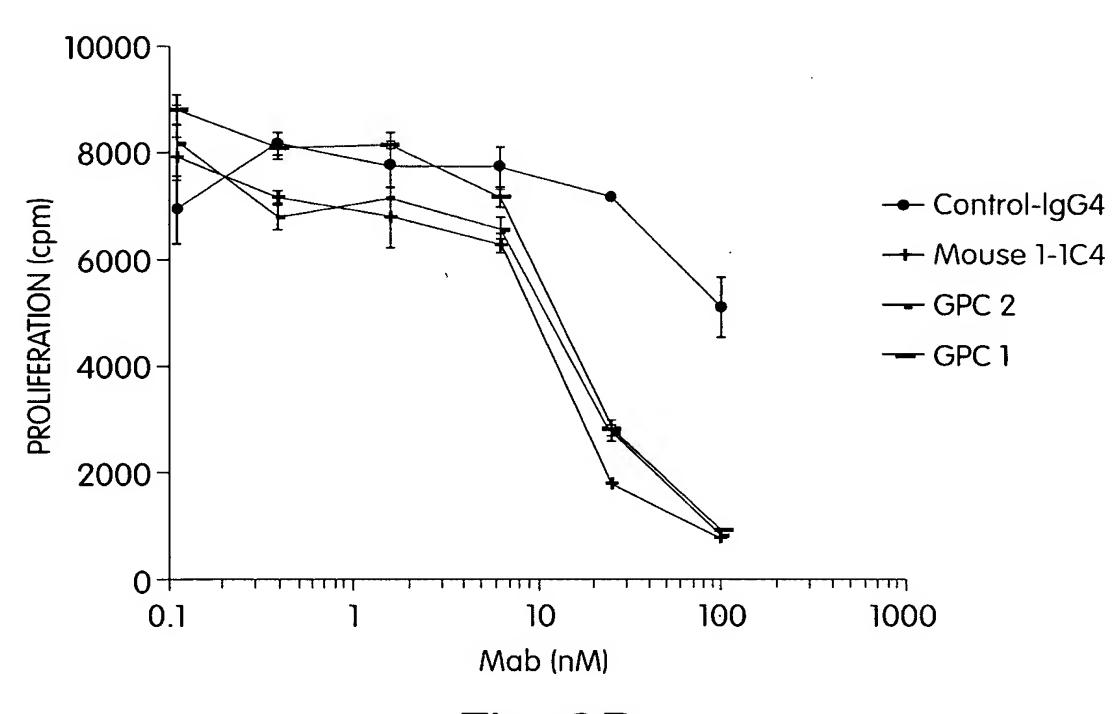
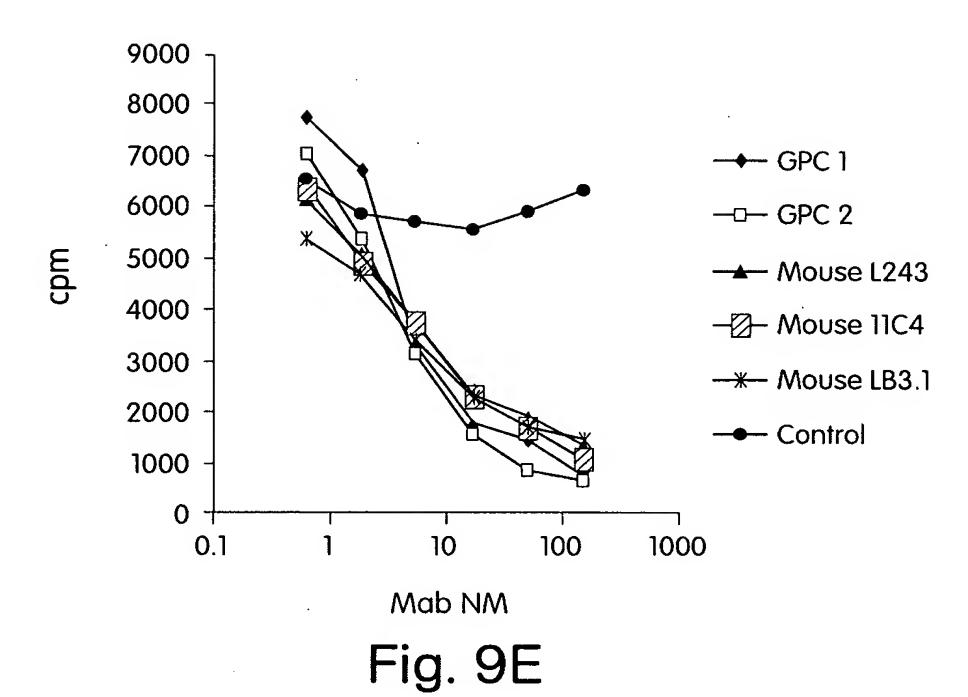


Fig. 9D



# DR4-tg anti-HEL





# DR14-tg anti-OVA

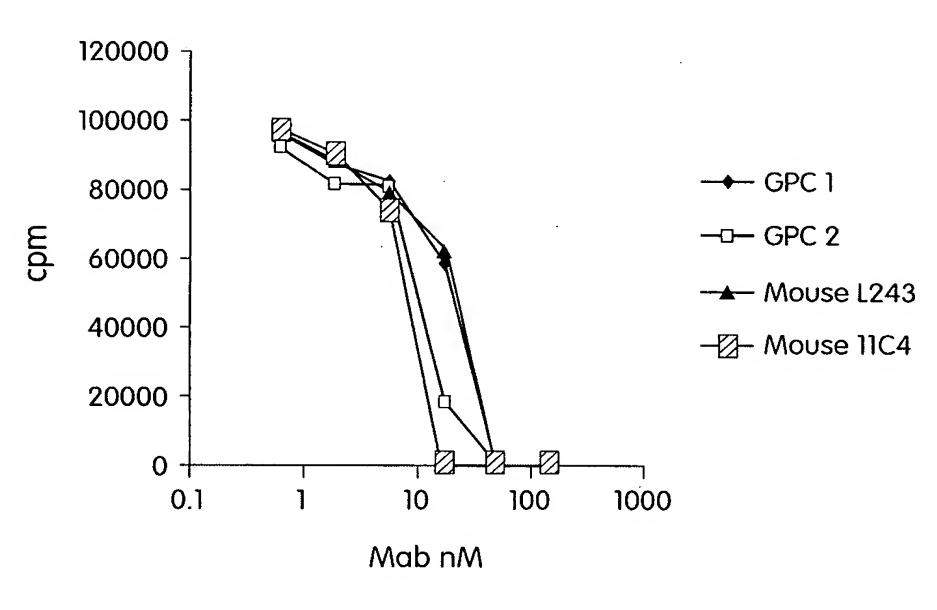


Fig. 9F

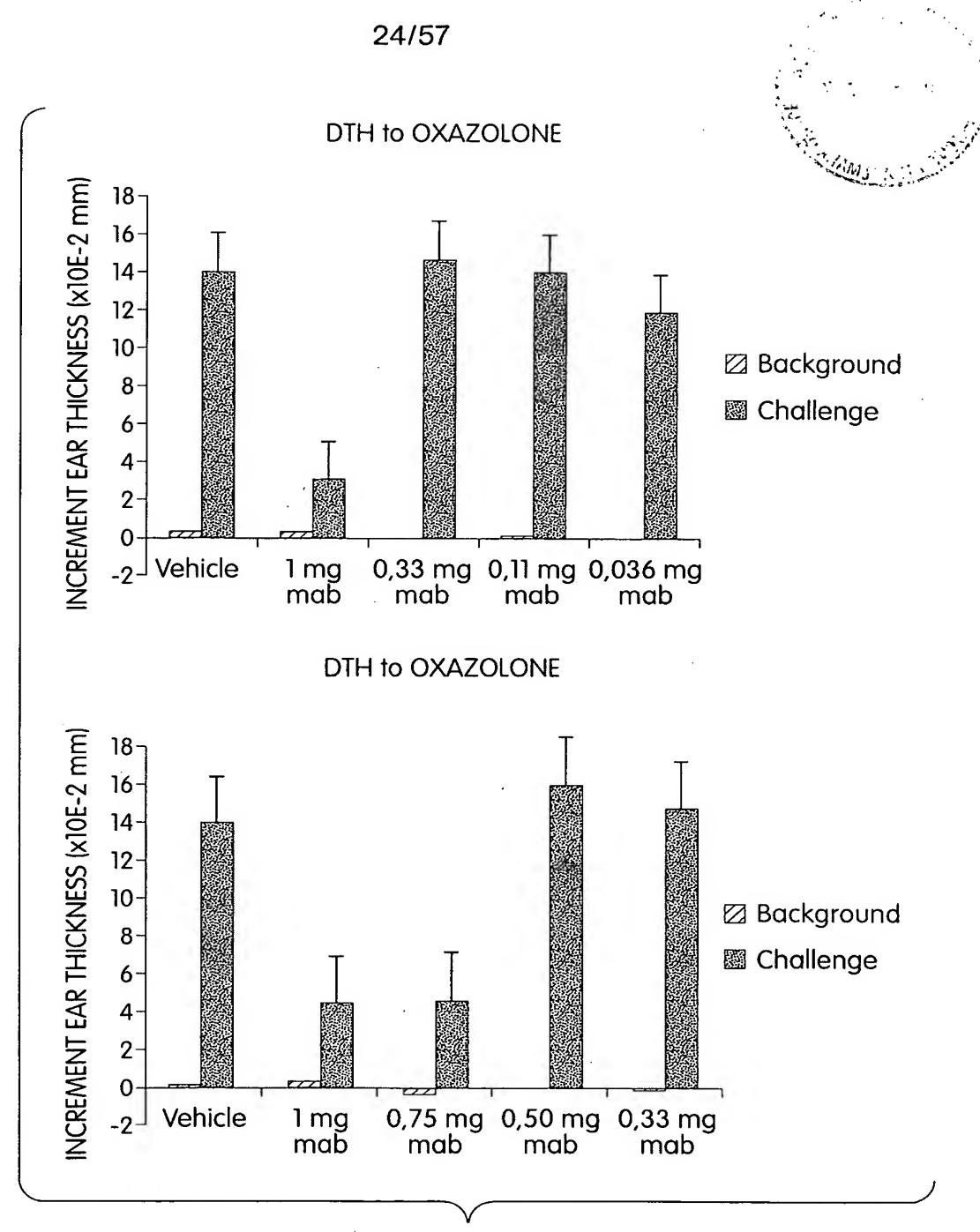


Fig. 9G

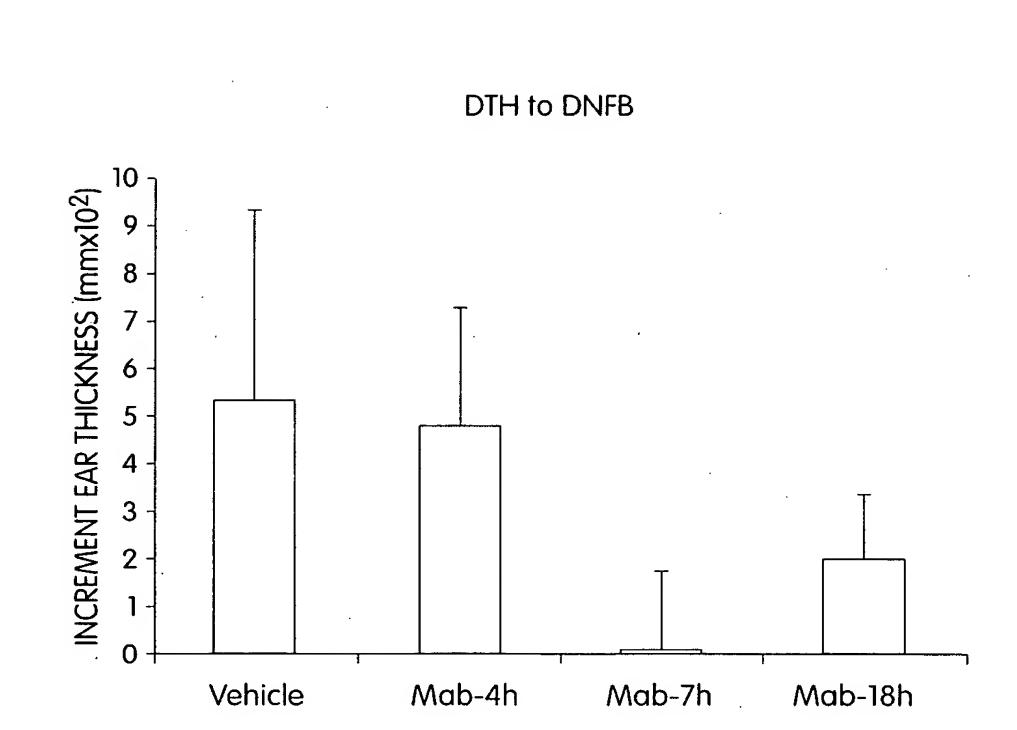


Fig. 9H

TREATMENT



# DTH to DNFB

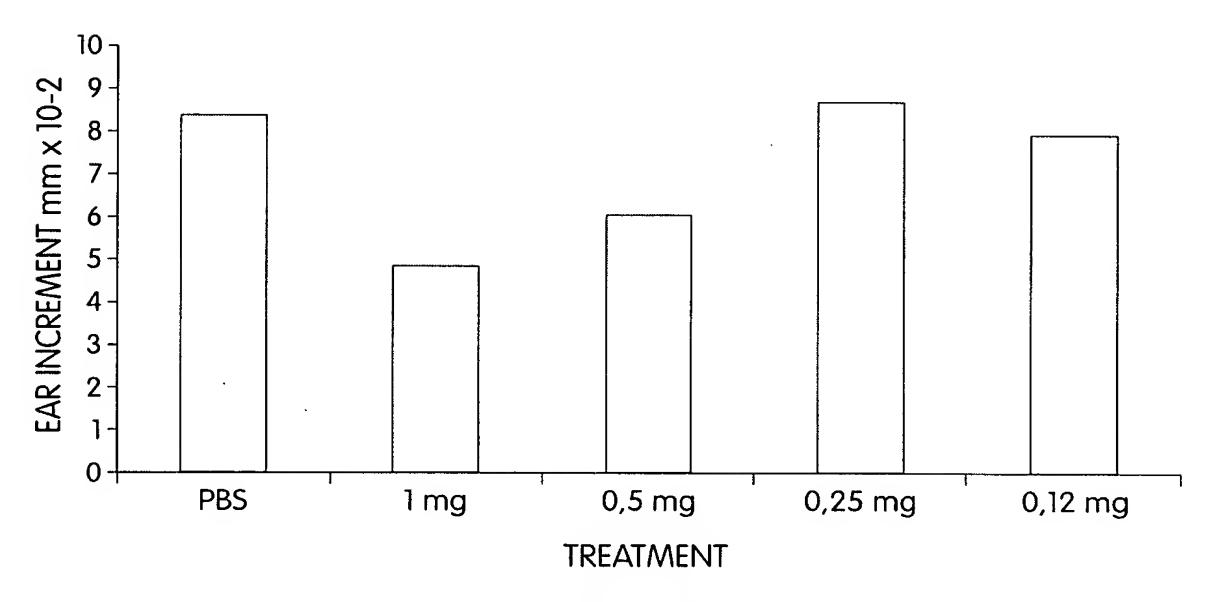


Fig. 91





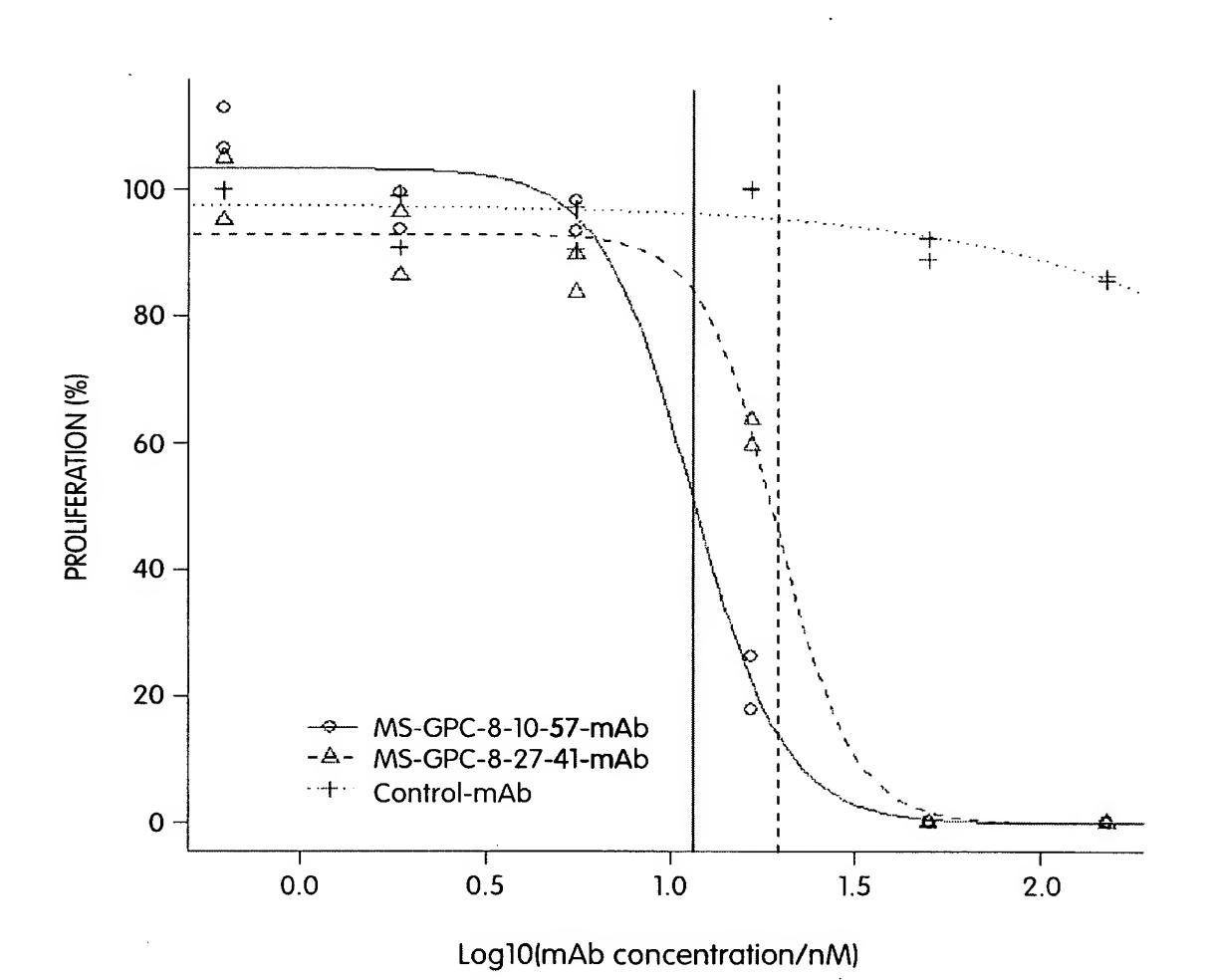
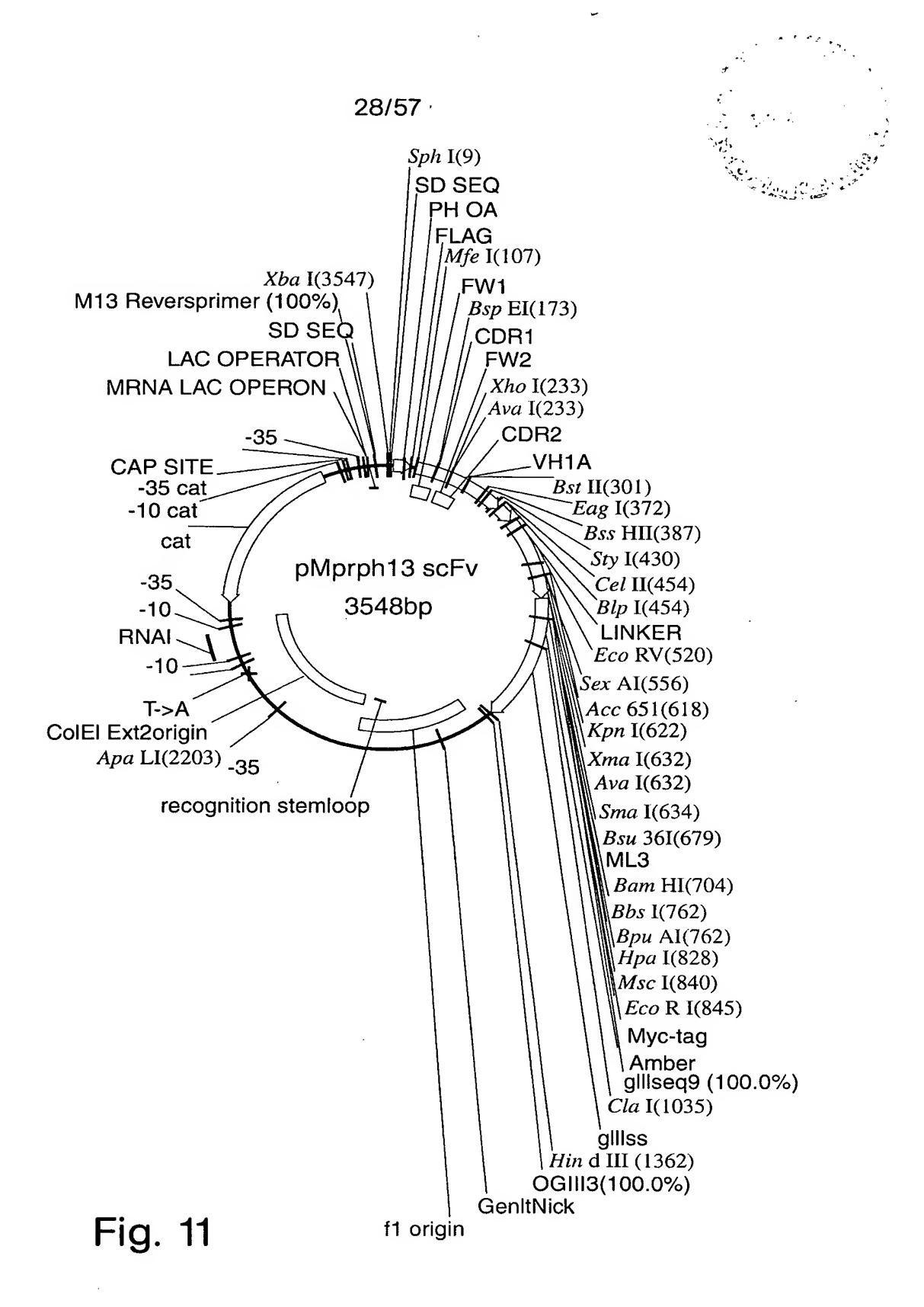


Fig. 10



					L ·
	XbaISphI				
1	AGAGCATGCG TCTCGTACGC	TAGGAGAAAA ATCCTCTTTT	TAAAATGAAA ATTTTACTTT	CAAAGCACTA GTTTCGTGAT	TTGCACTGGC AACGTGACCG
51	ACTCTTACCG TGAGAATGGC	TTGCTCTTCA AACGAGAAGT	CCCCTGTTAC GGGGACAATG	CAAAGCCGAC GTTTCGGCTG	TACAAAGATG ATGTTTCTAC
•	MfeI				
101	AAGTGCAATT TTCACGTTAA	GGTTCAGTCT CCAAGTCAGA	GGCGCGGAAG CCGCGCCTTC	TGAAAAAACC ACTTTTTTGG	
			BspEI		
151	GTGAAAGTGA CACTTTCACT	GCTGCAAAGC CGACGTTTCG	CTCCGGAGGC GAGGCCTCCG	ACTTTTAGCA TGAAAATCGT	GCTATGCGAT CGATACGCTA
	•		•	XhoI ~~~~~ AvaI	
201			·	TCTCGAGTGG AGAGCTCACC	
					BstEII ~
251		TTTTGGCACG AAAACCGTGC		CGCAGAAGTT GCGTCTTCAA	
	BstEII				
301				ACCGCGTATA TGGCGCATAT	
			EagI	BssHI	<b>C</b>
351				TTATTGCGCG AATAACGCGC	
				<b>EYI</b>	
401			TATTGGGGCC	AAGGCACCCT TTCCGTGGGA	
	BlpI ~~~~~ CelII				
451	AGCTCAGCGG	GTGGCGGTTC	TGGCGGCGGT	GGGAGCGGTG	GCGGTGGTTC

Fig. 11 (cont.)

		3	0/57		
	TCGAGTCGCC	CACCGCCAAG	ACCGCCGCCA	CCCTCGCCAC	CGCCACCAAG
	·	Ecol	RV		
501	TGGCGGTGGT ACCGCCACCA	GGTTCCGATA CCAAGGCTAT	TCGAACTGAC AGCTTGACTG	CCAGCCGCCT GGTCGGCGGA	TCAGTGAGCG AGTCACTCGC
	SexAI				
551	TTGCACCAGG AACGTGGTCC	TCAGACCGCG AGTCTGGCGC		GTAGCGGCGA CATCGCCGCT	TGCGCTGGGC ACGCGACCCG
		Kpn	I.	XmaI ~~~~~ SmaI	
		Acc6!	5I	AvaI	
601		CGAGCTGGTA GCTCGACCAT	<b>-</b>	CCCGGGCAGG GGGCCCGTCC	CGCCAGTTCT GCGGTCAAGA
			Bsu3	5I	
651	GGTGATTTAT CCACTAAATA			AGGCATCCCG TCCGTAGGGC	GAACGCTTTA CTTGCGAAAT
	BamHI				
701	GCGGATCCAA CGCCTAGGTT	CAGCGGCAAC GTCGCCGTTG		TGACCATTAG ACTGGTAATC	
	BpuAI ~~~~ BbsI				
751	GCGGAAGACG CGCCTTCTGC	AAGCGGATTA TTCGCCTAAT		AGCTATGACG TCGATACTGC	
			HpaI	Msc	E ECORI
801	TCCTGTGTTT AGGACACAAA		CGAAGTTAAC GCTTCAATTG	CGTTCTTGGC GCAAGAACCG	CAGGAATTCG GTCCTTAAGC
851	AGCAGAAGCT TCGTCTTCGA			ACTAGGGTGG TGATCCCACC	
901			TTTCTACCGT	AACGCTAATA TTGCGATTAT seq9 100.0%	TCCCCCGATA

951 GACCGAAAAT GCCGATGAAA ACGCGCTACA GTCTGACGCT AAAGGCAAAC

Fig. 11 (cont.)

	CTGGCTTTTA	CGGCTACTTT	TGCGCGATGT	CAGACTGCGA	TTTĊCGTTTG
	·			ClaI	
1001	TTGATTCTGT AACTAAGACA	CGCTACTGAT GCGATGACTA	TACGGTGCTG ATGCCACGAC		TTTCATTGGT AAAGTAACCA
1051	GACGTTTCCG CTGCAAAGGC	GCCTTGCTAA CGGAACGATT			
1101		CAAATGGCTC GTTTACCGAG		* * * * * * * * * * * * * * * * * * * *	
1151	TGAATAATTT ACTTATTAAA	CCGTCAATAT GGCAGTTATA		TCCCTCAATC AGGGAGTTAG	GGTTGAATGT CCAACTTACA
1201	CGCCCTTTTG GCGGGAAAAC		TGGTAAACCA ACCATTTGGT	TATGAATTTT ATACTTAAAA	CTATTGATTG GATAACTAAC
1251	TGACAAAATA ACTGTTTTAT	AACTTATTCC TTGAATAAGG		TGCGTTTCTT ACGCAAAGAA	TTATATGTTG AATATACAAC
1301	CCACCTTTAT GGTGGAAATA	GTATGTATTT CATACATAAA		CTAACATACT GATTGTATGA	
		HindIII			
1351	GAGTCTTGAT CTCAGAACTA		TGTGAAGTGA ACACTTCACT GIII3 100.0	TTTTACCGCG	
		====	=======================================	====	
1401		TGTCTGCCGT ACAGACGGCA			
1451	TAAAATTCGC ATTTTAAGCG	GTTAAATTTT CAATTTAAAA	TGTTAAATCA ACAATTTAGT		TAACCAATAG ATTGGTTATC
1501	GCCGAAATCG CGGCTTTAGC	GCAAAATCCC CGTTTTAGGG		AAAGAATAGA TTTCTTATCT	CCGAGATAGG GGCTCTATCC
1551	GTTGAGTGTT CAACTCACAA	GTTCCAGTTT CAAGGTCAAA		TCCACTATTA AGGTGATAAT	AAGAACGTGG TTCTTGCACC
1601		CAAAGGGCGA GTTTCCCGCT			
1651		CACCCTAATC GTGGGATTAG	· · · · · · · · · · · · · · · · · · ·		
1701	•	AACCCTAAAG TTGGGATTTC			

Fig. 11 (cont.)

1751	AGCCGGCGAA TCGGCCGCTT	CGTGGCGAGA GCACCGCTCT	AAGGAAGGGA TTCCTTCCCT		
1801	CCTACCCCC	መርርር እ አርመርመ	» CCCCTC» CC	CMCCCCCM» »	CCACCACACC
1001		ACCGTTCACA			
1851	CGCCGCGCTT	AATGCGCCGC	TACAGGGCGC	GTGCTAGCCA	TGTGAGCAAA
		TTACGCGGCG			· · · · · · · · · · · · · · · · · · ·
1901	AGGCCAGCAA	AAGGCCAGGA	ACCGTAAAAA	GGCCGCGTTG	CTGGCGTTTT
	TCCGGTCGTT	TTCCGGTCCT	TGGCATTTTT	CCGGCGCAAC	GACCGCAAAA
1951	TCCATAGGCT	CCGCCCCCT	GACGAGCATC	ACAAAAATCG	ACGCTCAAGT
	AGGTATCCGA	GGCGGGGGGA	CTGCTCGTAG	TGTTTTTAGC	TGCGAGTTCA
2001	CAGAGGTGGC	GAAACCCGAC	AGGACTATAA	AGATACCAGG	CGTTTCCCCC
	GTCTCCACCG	CTTTGGGCTG	TCCTGATATT	TCTATGGTCC	GCAAAGGGGG
2051	TGGAAGCTCC	CTCGTGCGCT	CTCCTGTTCC	GACCCTGCCG	CTTACCGGAT
	ACCTTCGAGG	GAGCACGCGA	GAGGACAAGG	CTGGGACGGC	GAATGGCCTA
2101	ACCTGTCCGC	CTTTCTCCCT	TCGGGAAGCG	TGGCGCTTTC	TCATAGCTCA
	TGGACAGGCG	GAAAGAGGGA	AGCCCTTCGC	ACCGCGAAAG	AGTATCGAGT
2151	CGCTGTAGGT	ATCTCAGTTC	GGTGTAGGTC	GTTCGCTCCA	AGCTGGGCTG
	GCGACATCCA	TAGAGTCAAG	CCACATCCAG	CAAGCGAGGT	TCGACCCGAC
	ApaLI				
2201	TGTGCACGAA	CCCCCGTTC	AGTCCGACCG	СТССССТТА	<b>ТССССТААСТ</b>
		GGGGGCAAG			
2251	ATCGTCTTGA	GTCCAACCCG	GTAAGACACG	ACTTATCGCC	ACTGGCAGCA
	TAGCAGAACT	CAGGTTGGGC	CATTCTGTGC	TGAATAGCGG	TGACCGTCGT
2301	GCCACTGGTA	ACAGGATTAG	CAGAGCGAGG	TATGTAGGCG	GTGCTACAGA
	CGGTGACCAT	TGTCCTAATC	GTCTCGCTCC	ATACATCCGC	CACGATGTCT
2351	GTTCTTGAAG	TGGTGGCCTA	ACTACGGCTA	CACTAGAAGA	ACAGTATTTG
	CAAGAACTTC	ACCACCGGAT	TGATGCCGAT	GTGATCTTCT	TGTCATAAAC
2401	GTATCTGCGC	TCTGCTGTAG	CCAGTTACCT	TCGGAAAAAG	AGTTGGTAGC
	CATAGACGCG	AGACGACATC	GGTCAATGGA	AGCCTTTTTC	TCAACCATCG
2451	TCTTGATCCG	GCAAACAAAC	CACCGCTGGT	AGCGGTGGTT	TTTTTGTTTG
	AGAACTAGGC	CGTTTGTTTG	GTGGCGACCA	TCGCCACCAA	AAAAACAAAC
2501	CAAGCAGCAG	ATTACGCGCA	GAAAAAAAGG	ATCTCAAGAA	GATCCTTTGA
	GTTCGTCGTC	TAATGCGCGT	CTTTTTTTCC	TAGAGTTCTT	CTAGGAAACT
2551	TCTTTTCTAC	GGGGTCTGAC	GCTCAGTGGA	ACGAAAACTC	ACGTTAAGGG

Fig. 11 (cont.)

		0	Ç/O/		• •
	AGAAAAGATG	CCCCAGACTG	CGAGTCACCT	TGCTTTTGAG	TGCAATTCCC
2601	ATTTTGGTCA	GATCTAGCAC	САССССТТТА	AGGGCACCAA	ጥል ልርጥርርርጥጥ
	TAAAACCAGT			TCCCGTGGTT	· ·
		CIMONICGIG	GICCGCMMI	1000313311	ATTGACGGAA
2651	•			CGCAGTACTG	
	TTTTTTAAT	GCGGGGCGGG	ACGGTGAGTA	GCGTCATGAC	AACATTAAGT
2701	TTAAGCATTC	TGCCGACATG	GAAGCCATCA	CAAACGGCAT	GATGAACCTG
				GTTTGCCGTA	
2751	AATCGCCAGC	GGCATCAGCA	CCTTGTCGCC	TTGCGTATAA	TATTTGCCCA
	TTAGCGGTCG	CCGTAGTCGT	GGAACAGCGG	<b>AACGCATATT</b>	ATAAACGGGT
2001	<b>MACMCAAAA</b>		3 3 CMMC//CC3	ma mmaaama a	COMPANDA DE CO
2801				TATTGGCTAC	
	ATCACTTTTG	CCCCCGCTTC	TTCAACAGGT	ATAACCGATG	CAAATTTAGT
2851	AAACTGGTGA	AACTCACCCA	GGGATTGGCT	GAGACGAAAA	ACATATTCTC
		TTGAGTGGGT		CTCTGCTTTT	
2901	AATAAACCCT	TTAGGGAAAT	AGGCCAGGTT	TTCACCGTAA	CACGCCACAT
	TTATTTGGGA	AATCCCTTTA	TCCGGTCCAA	AAGTGGCATT	GTGCGGTGTA
2951	CMMCCCXXMX	mamemema ca	3 3 CMCCCCC3	3 3 MCCMCCMC	ama mmaa ama
290I				AATCGTCGTG TTAGCAGCAC	
	GAACGCITAI	AIACACAICI	TIGACGGCCT	TTAGCAGCAC	CATAAGTGAG
3001	CAGAGCGATG	AAAACGTTTC	AGTTTGCTCA	TGGAAAACGG	TGTAACAAGG
	GTCTCGCTAC	TTTTGCAAAG	TCAAACGAGT	ACCTTTTGCC	ACATTGTTCC
3051				GTCTTTCATT	
	CACTTGTGAT	AGGGTATAGT	GGTCGAGTGG	CAGAAAGTAA	CGGTATGCCT
3101	ACTCCGGGTG	AGCATTCATC	AGGCGGGCAA	GAATGTGAAT	AAAGGCCGGA
<b></b>				CTTACACTTA	
3151	TAAAACTTGT	GCTTATTTTT	CTTTACGGTC	TTTAAAAAGG	CCGTAATATC
	ATTTTGAACA	CGAATAAAAA	GAAATGCCAG	AAATTTTTCC	GGCATTATAG
3201	СУССТСУУСС	ርጥርጥሮርጥጥል ጥ	<b>አርርጥአ</b> ርአጥጥር	AGCAACTGAC	TGAAATGCCT
3201				TCGTTGACTG	
	GICGACIIGC	CAGACCAMIA	ICCAIGIAAC	ICGIIGACIG	ACTITACGGA
3251	CAAAATGTTC	TTTACGATGC	CATTGGGATA	TATCAACGGT	GGTATATCCA
	GTTTTACAAG	AAATGCTACG	GTAACCCTAT	ATAGTTGCCA	CCATATAGGT
2201		mamaa mmmm	1 CCMMCCMM	aamaama	3 mamaas == -
3301				GCTCCTGAAA	
	CACTAAAAAA	AGAGGTAAAA	TCGAAGGAAT	CGAGGACTTT	TAGAGCTATT
3351	CTCAAAAAAT	ACGCCCGGTA	GTGATCTTAT	TTCATTATGG	TGAAAGTTGG
	GAGTTTTTTA	TGCGGGCCAT	CACTAGAATA	AAGTAATACC	ACTTTCAACC
3401	AACCTCACCC	GACGTCTAAT	GTGAGTTAGC	TCACTCATTA	GGCACCCCAG
	TTGGAGTGGG	CTGCAGATTA	CACTCAATCG	AGTGAGTAAT	CCGTGGGGTC

Fig. 11 (cont.)

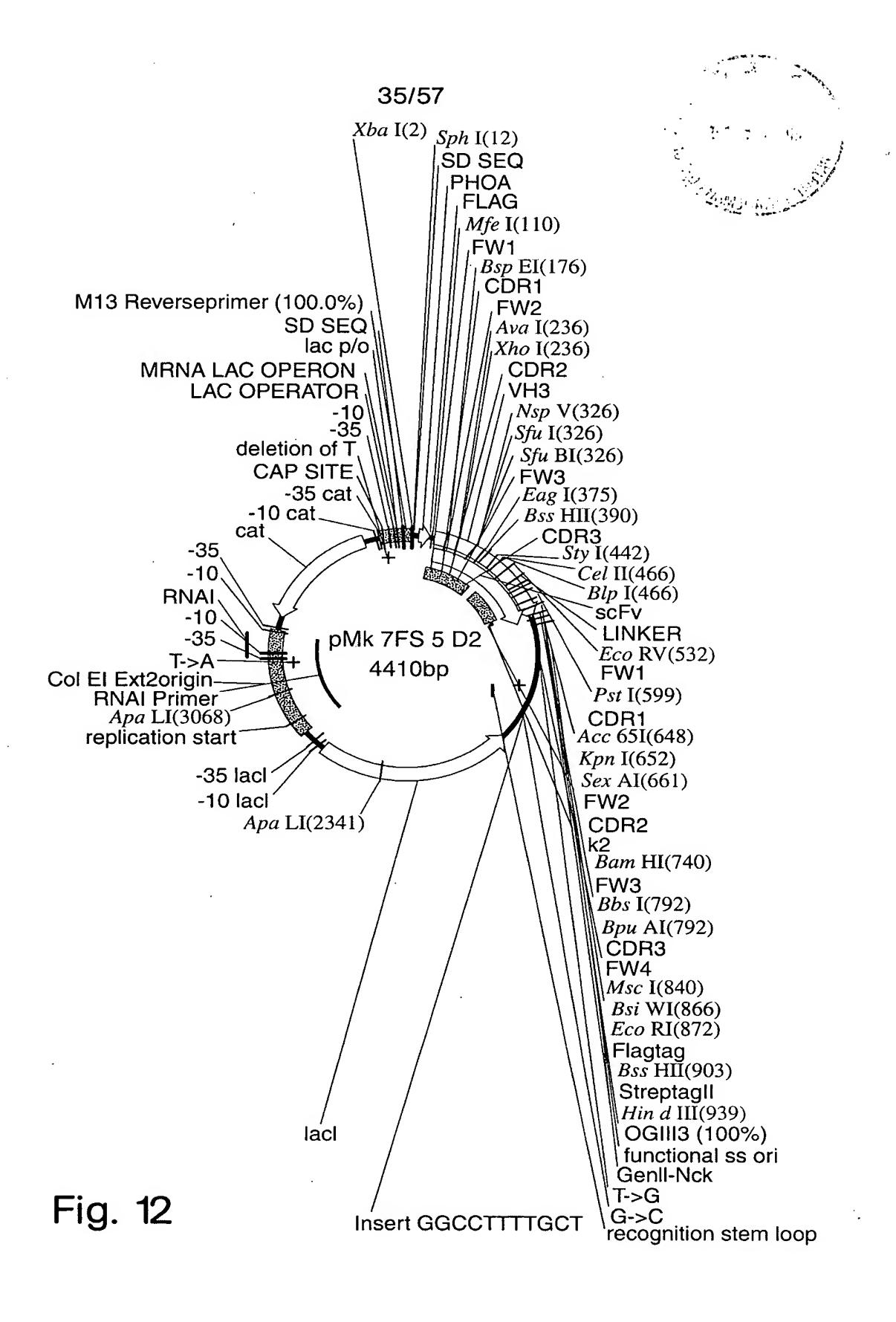
3451 GCTTTACACT TTATGCTTCC GGCTCGTATG TTGTGTGGAA TTGTGAGCGG CGAAATGTGA AATACGAAGG CCGAGCATAC AACACACCTT AACACTCGCC

M13 Reverse primer 100.0%

XbaI

3501 ATAACAATTT CACACAGGAA ACAGCTATGA CCATGATTAC GAATTTCT TATTGTTAAA GTGTGTCCTT TGTCGATACT GGTACTAATG CTTAAAGA

Fig. 11 (cont.)



	XbaI Sph				
1			AAATAAAATG	AAACAAAGCA	CTATTGCACT
		CGCATCCTCT		TTTGTTTCGT	GATAACGTGA
51	GGCACTCTTA	CCGTTGCTCT	TCACCCCTGT	TACCAAAGCC	GACTACAAAG
	CCGTGAGAAT	GGCAACGAGA	AGTGGGGACA	ATGGTTTCGG	CTGATGTTTC
	M:	<b>feI</b>			
101	ATGAAGTGCA	~~~~ `````````````````````````````````	AGCGGCGGCG	GCCጥGGጥGC A	ACCGCGCGC
	TACTTCACGT		TCGCCGCCGC		
			BspEI		
1 5 1	» CCCMCCCMC	mc » como co c	~~~~~		001 00m1 mag
151		TGAGCTGCGC ACTCGACGCG	CCGGAGGCCT	TTTACCTTTA AAATGGAAAT	
				XhoI	
				~~~~~	
				AvaI	
201	GATGAGCTGG	GTGCGCCAAG	CCCCTGGGAA	GGGTCTCGAG	TGGGTGAGCG
	CTACTCGACC	CACGCGGTTC			ACCCACTCGC
251	CGATTAGCGG	TAGCGGCGGC	AGCACCTATT	ATGCGGATAG	CGTGAAAGGC
	GCTAATCGCC	ATCGCCGCCG	TCGTGGATAA	TACGCCTATC	GCACTTTCCG
			BstBI		
			~~~~~ SfuI		
			Stut		
			NspV		
			~~~~		
301	CGTTTTACCA GCAAAATGGT	TTTCACGTGA AAAGTGCACT	TAATTCGAAA ATTAAGCTTT	AACACCCTGT	ATCTGCAAAT
	GCAAAAIGGI	AAAGIGCACI	ATTAAGCTTT	TTGTGGGACA	TAGACGTTTA
			EagI	Bss	SHII
351	GAACAGCCTG	CGTGCGGAAG	ATACGGCCGT	GTATTATTGC	GCGCGTGTTA
	CTTGTCGGAC	GCACGCCTTC		CATAATAACG	
	•				StyI
401	3 (13 3 (16 3 mmm	mmcmccma a c	3 3 MM/2 CMM/2		~~~~~
401			AATTGGTTTG TTAACCAAAC		

Fig. 12 (cont.)

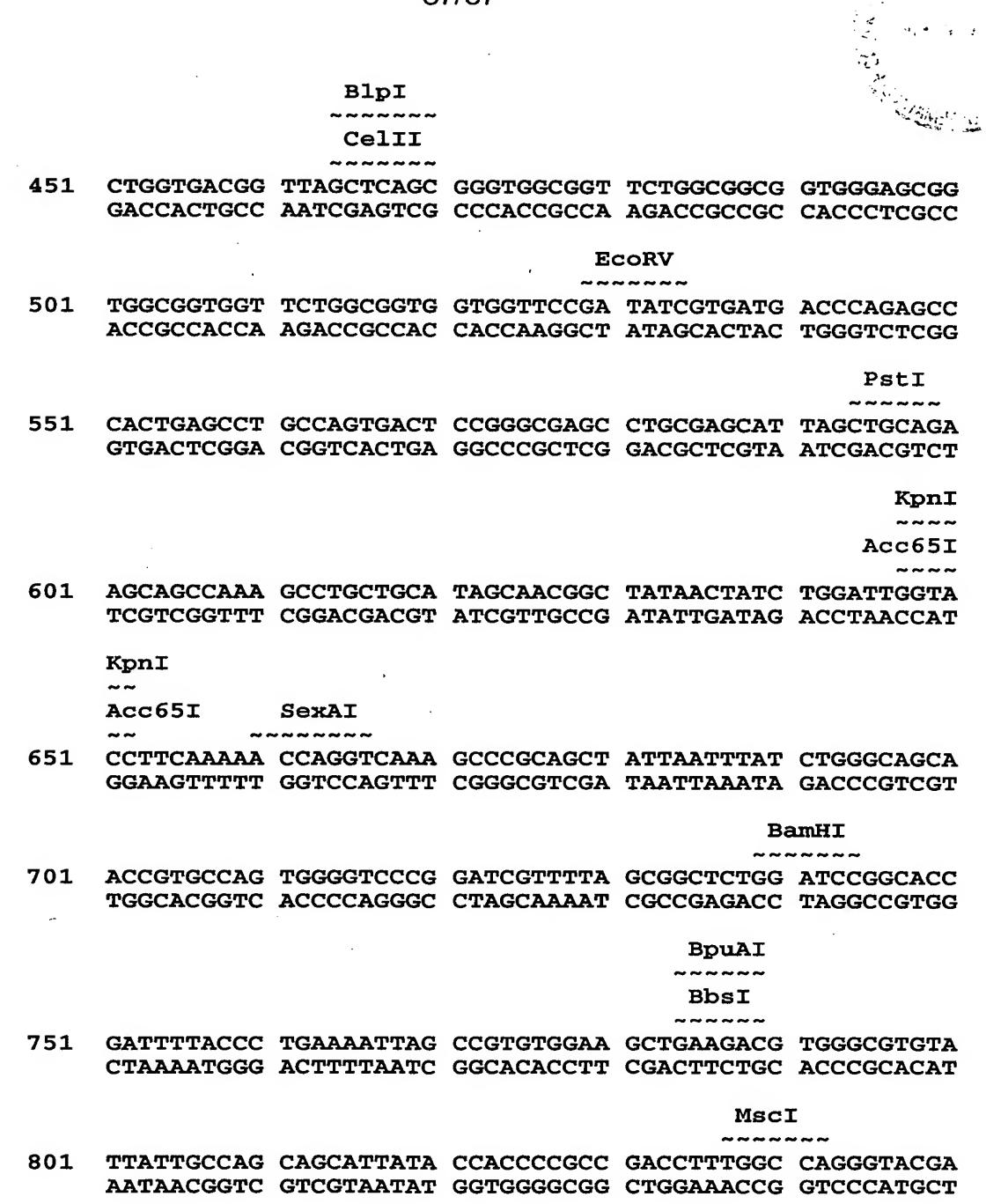


Fig. 12 (cont.)

# BsiWI EcoRI 851 AAGTTGAAAT TAAACGTACG GAATTCGACT ATAAAGATGA CGATGACAAA TTCAACTTTA ATTTGCATGC CTTAAGCTGA TATTTCTACT GCTACTGTTT BssHII HindIII 901 GGCGCGCCGT GGAGCCACCC GCAGTTTGAA AAATGATAAG CTTGACCTGT CCGCGCGCA CCTCGGTGGG CGTCAAACTT TTTACTATTC GAACTGGACA OGIII3 100.0% 951 GAAGTGAAAA ATGGCGCAGA TTGTGCGACA TTTTTTTTTGT CTGCCGTTTA CTTCACTTTT TACCGCGTCT AACACGCTGT AAAAAAAACA GACGGCAAAT OGIII3 100.0% -------1001 ATTAAAGGGG GGGGGGGCC GGCCTGGGGG GGGGTGTACA TGAAATTGTA TAATTTCCCC CCCCCCGG CCGGACCCCC CCCCACATGT ACTTTAACAT 1051 AACGTTAATA TTTTGTTAAA ATTCGCGTTA AATTTTTGTT AAATCAGCTC TTGCAATTAT AAAACAATTT TAAGCGCAAT TTAAAAACAA TTTAGTCGAG 1101 ATTTTTAAC CAATAGGCCG AAATCGGCAA AATCCCTTAT AAATCAAAAG TAAAAAATTG GTTATCCGGC TTTAGCCGTT TTAGGGAATA TTTAGTTTTC 1151 AATAGACCGA GATAGGGTTG AGTGTTGTTC CAGTTTGGAA CAAGAGTCCA TTATCTGGCT CTATCCCAAC TCACAACAAG GTCAAACCTT GTTCTCAGGT 1201 CTATTAAAGA ACGTGGACTC CAACGTCAAA GGGCGAAAAA CCGTCTATCA GATAATTTCT TGCACCTGAG GTTGCAGTTT CCCGCTTTTT GGCAGATAGT 1251 GGGCGATGGC CCACTACGAG AACCATCACC CTAATCAAGT TTTTTGGGGT CCCGCTACCG GGTGATGCTC TTGGTAGTGG GATTAGTTCA AAAAACCCCA 1301 CGAGGTGCCG TAAAGCACTA AATCGGAACC CTAAAGGGAG CCCCCGATTT GCTCCACGGC ATTTCGTGAT TTAGCCTTGG GATTTCCCTC GGGGGCTAAA 1351 AGAGCTTGAC GGGGAAAGCC GGCGAACGTG GCGAGAAAGG AAGGGAAGAA TCTCGAACTG CCCCTTTCGG CCGCTTGCAC CGCTCTTTCC TTCCCTTCTT 1401 AGCGAAAGGA GCGGGCGCTA GGGCGCTGGC AAGTGTAGCG GTCACGCTGC TCGCTTTCCT CGCCCGCGAT CCCGCGACCG TTCACATCGC CAGTGCGACG 1451 GCGTAACCAC CACACCCGCC GCGCTTAATG CGCCGCTACA GGGCGCGTGC

Fig. 12 (cont.)

CGCATTGGTG GTGTGGGCGG CGCGAATTAC GCGGCGATGT CCCGCGCACG

					A Section of the Sect
1501	TAGACTAGTG	TTTAAACCGG	<b>ACCGGGGGGG</b>	GGCTTAAGTG	GGCTGCAAAA
	ATCTGATCAC	<b>AAATTTGGCC</b>	TGGCCCCCC	CCGAATTCAC	CCGACGTTTT
1551	CAAAACGGCC	TCCTGTCAGG	AAGCCGCTTT	TATCGGGTAG	CCTCACTGCC
	GTTTTGCCGG	AGGACAGTCC	TTCGGCGAAA	ATAGCCCATC	GGAGTGACGG
1601	CGCTTTCCAG	TCGGGAAACC	TGTCGTGCCA	GCTGCATCAG	TGAATCGGCC
	GCGAAAGGTC	AGCCCTTTGG		CGACGTAGTC	
1651	AACGCGCGGG	GAGAGGCGGT	TTGCGTATTG	GGAGCCAGGG	<u> ጥር</u> ር ጥጥ ተ
	TTGCGCGCCC			CCTCGGTCCC	
1701	TTTCACCAGT	GAGACGGGCA	ACAGCTGATT	GCCCTTCACC	GCCTGGCCCT
	AAAGTGGTCA			CGGGAAGTGG	· · · -
		0101000001	1010011011111	coomerag	COGACCOGGA
1751	GAGAGAGTTG	CAGCAAGCGG	<b>ጥ</b> ርር እርርር ጥርር	TTTGCCCCAG	CACCCCAAAA
_,	CTCTCTCAAC			AAACGGGGTC	
	O1C1C1C1L1C	Olcollect	AGGIGCACC	MMCGGGGIC	GICCGCIIII
1801	ጥሮርጥርጥጥጥርል	TGGTGGTCAG	ССССССАТА	TAACATGAGC	TGTCCTCGGT
2002	AGGACAAACT			ATTGTACTCG	ACAGGAGCCA
	MOONCHIMCI	ACCACCAGIC	GCCGCCCIAI	ATIGIACICG	ACAGGAGCCA
1851	<b>አ</b> ጥርርጥርርጥአጥ	CCCACTACCG	A C A TICTUCCOC	ACCA ACCCCC	» CCCCCC » CD
1051		GGGTGATGGC			
	INGCNGCAIA	GGGIGAIGGC	TCIACAGGCG	199119666	ICGGGCCTGA
1901	<b>CGGTA A</b> TCGC	ACGCATTGCG	CCCACCCCA	ጥርጥር እጥር ርጥጥ	CCCXXCCXCC
<b>4301</b>		TGCGTAACGC			
	OCCALINCCO	100011111000	999169691	AGAC I AGCAA	CCGIIGGICG
1951	ATCCCACTCC	GAACGATGCC	ርጥሮልጥጥሮልርር	<b>አ</b> ጥጥር ርጉአጥር ር	መመምረመምረ እ እ እ
<b>-</b> 552		CTTGCTACGG			
	***************************************	C110C411CGG	On On One	IMMCGIACC	WWCWWC I I I
2001	ACCGGACATG	GCACTCCAGT	ССССФФСССС	<b>ጥጥሮሮሮርጥልጥ</b> ሮ	ርርርጥር እ አጥጥጥ
2001		CGTGAGGTCA			
	IOOCCIOIMC	CGIGAGGICA	GCGGAAGGGC	MGGCGAIAG	CCGACTIAAA
2051	САТТСССАСТ	GAGATATTTA	<b>ТСССАСССАС</b>	CCAGACGCAG	ACCCCCCCAC
2031		CTCTATAAAT			
	CIIIICOCICII	CICINIII	ACGG1CGG1C	GGICIGCGIC	196969616
2101	ACAGAACTTA	ATGGGCCAGC	<b>ጥል እ</b> ሮ እርሮርርርር	<b>ል</b> ጥጥጥር <u></u>	CCCCCA ATTCC
				TAAACGACCA	
	10101101111	INCCCOOLCG	Alluicacuc	IMMCGACCA	CCGGGIIACG
2151	GACCAGATGC	TCCACGCCCA	СТСССТАСС	ርጥርርጥር አጥርር	CACAAAATAA
		AGGTGCGGGT			
	CIGGICINCG	MGGIGCGGGI	CAGCGCAIGG	CAGGAGIACC	CICILITATI
2201	<b>ጥ</b> ልሮጥሮጥጥር ልጥ	GGGTGTCTGG	<b>ТСАСАСАСА</b> Т	СУУСУУУТУУ	CCCCCCAACA
V -		CCCACAGACC			
				UU-+ALL	CCGGCCTTGT
2251	<b>ТТАСТССАСС</b>	CAGCTTCCAC	<b>ልርር አልጥልርር አ</b>	<b>ጥ</b> ርርጥር ኔጥ	ССУСССУМУ
		GTCGAAGGTG			
			+COTINICGI	MICHOLIN	GGICGCCIMI

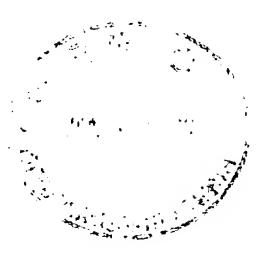
ApaLI

Fig. 12 (cont.)

		41			
2301		AGCCCACTGA TCGGGTGACT			
2351		TTCGACGCCG AAGCTGCGGC			GACCACGCTG CTGGTGCGAC
2401	GCACCCAGTT CGTGGGTCAA	GATCGGCGCG CTAGCCGCGC	AGATTTAATC TCTAAATTAG		TTTGCGACGG AAACGCTGCC
2451		GCCAGACTGG CGGTCTGACC			AACGACTGTT TTGCTGACAA
2501		TTGTTGTGCC AACAACACGG			CAGCTCCGCC GTCGAGGCGG
2551	ATCGCCGCTT TAGCGGCGAA	CCACTTTTTC GGTGAAAAAG	CCGCGTTTTC GGCGCAAAAG	GCAGAAACGT CGTCTTTGCA	GGCTGGCCTG CCGACCGGAC
2601	GTTCACCACG CAAGTGGTGC	CGGGAAACGG GCCCTTTGCC	TCTGATAAGA AGACTATTCT	GACACCGGCA CTGTGGCCGT	TACTCTGCGA ATGAGACGCT
2651		CGTTACTGGT GCAATGACCA	TTCACATTCA AAGTGTAAGT		TTGACTCTCT AACTGAGAGA
2701	TCCGGGCGCT AGGCCCGCGA	ATCATGCCAT TAGTACGGTA	ACCGCGAAAG TGGCGCTTTC		ATTCGATGCT TAAGCTACGA
2751	AGCCATGTGA TCGGTACACT	GCAAAAGGCC CGTTTTCCGG	AGCAAAAGGC TCGTTTTCCG		
2801	CGTTGCTGGC GCAACGACCG	GTTTTTCCAT CAAAAAGGTA	AGGCTCCGCC TCCGAGGCGG		GCATCACAAA CGTAGTGTTT
2851		CAAGTCAGAG GTTCAGTCTC	GTGGCGAAAC CACCGCTTTG		TATAAAGATA ATATTTCTAT
2901	CCAGGCGTTT GGTCCGCAAA	CCCCCTGGAA GGGGGACCTT		GCGCTCTCCT CGCGAGAGGA	GTTCCGACCC CAAGGCTGGG
2951	TGCCGCTTAC ACGGCGAATG	CGGATACCTG GCCTATGGAC	TCCGCCTTTC AGGCGGAAAG	TCCCTTCGGG AGGGAAGCCC	AAGCGTGGCG TTCGCACCGC
3001		GCTCACGCTG CGAGTGCGAC			AGGTCGTTCG TCCAGCAAGC
		Apal	LI		
3051		GGCTGTGTGC CCGACACACG			
3101		TAACTATCGT ATTGATAGCA			

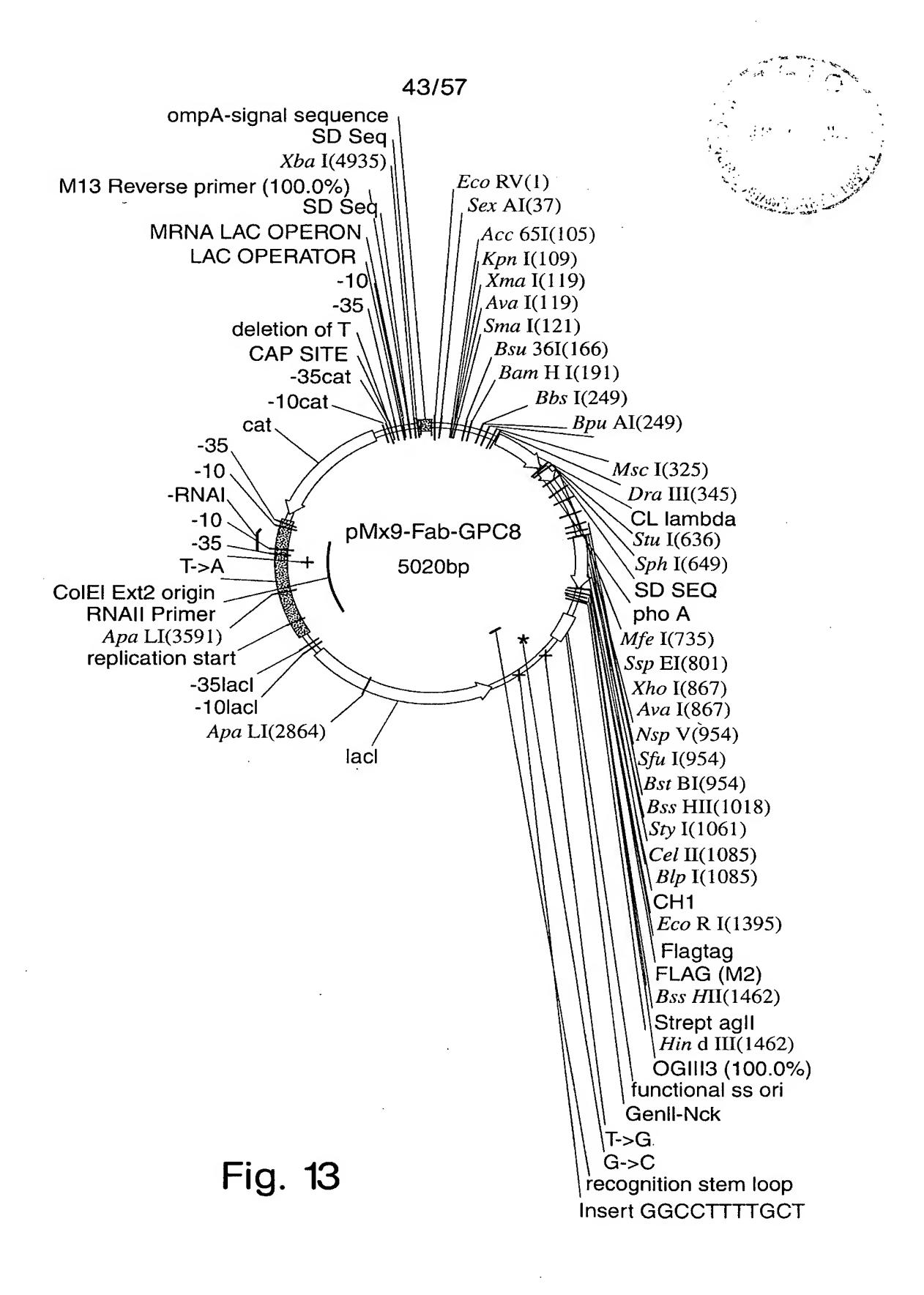
					• •
3151			TGGTAACAGG ACCATTGTCC	ATTAGCAGAG TAATCGTCTC	CGAGGTATGT GCTCCATACA
3201	AGGCGGTGCT TCCGCCACGA		TGAAGTGGTG ACTTCACCAC	GCCTAACTAC CGGATTGATG	
3251	GAAGAACAGT CTTCTTGTCA	ATTTGGTATC	TGCGCTCTGC	TGTAGCCAGT ACATCGGTCA	TACCTTCGGA
3301	AAAAGAGTTG	GTAGCTCTTG	ATCCGGCAAA	CAAACCACCG	CTGGTAGCGG
3351	TGGTTTTTT		AGCAGATTAC	GTTTGGTGGC GCGCAGAAAA	
2404			TCGTCTAATG	CGCGTCTTTT	TTTCCTAGAG
3401	AAGAAGATCC TTCTTCTAGG		TCTACGGGGT AGATGCCCCA	CTGACGCTCA GACTGCGAGT	GTGGAACGAA CACCTTGCTT
3451	AACTCACGTT TTGAGTGCAA	AAGGGATTTT TTCCCTAAAA	GGTCAGATCT CCAGTCTAGA	AGCACCAGGC TCGTGGTCCG	GTTTAAGGGC CAAATTCCCG
3501		_		CGCCCTGCCA GCGGGACGGT	
3551				ACATGGAAGC TGTACCTTCG	
3601			CCAGCGGCAT	CAGCACCTTG GTCGTGGAAC	TCGCCTTGCG
3651	TATAATATTT	GCCCATAGTG	AAAACGGGGG	CGAAGAAGTT	GTCCATATTG
3701				GCTTCTTCAA	
2751				TGGGTCCCTA	
3751			ACCCTTTAGG TGGGAAATCC	CTTTATCCGG	AGGTTTTCAC TCCAAAAGTG
3801			GAATATATGT CTTATATACA	GTAGAAACTG CATCTTTGAC	CCGGAAATCG GGCCTTTAGC
3851			CGATGAAAAC GCTACTTTTG	GTTTCAGTTT CAAAGTCAAA	GCTCATGGAA CGAGTACCTT
3901				TATCACCAGC ATAGTGGTCG	
3951				TCATCAGGCG AGTAGTCCGC	<del>-</del>
			CCLCLCGIA		·

Fig. 12 (cont.)



4001	TGAATAAAGG ACTTATTTCC	CCGGATAAAA GGCCTATTTT		TTTTTCTTTA AAAAAGAAAT	CGGTCTTTAA GCCAGAAATT
4051	AAAGGCCGTA TTTCCGGCAT		GAACGGTCTG CTTGCCAGAC	GTTATAGGTA CAATATCCAT	CATTGAGCAA GTAACTCGTT
4101	CTGACTGAAA	TGCCTCAAAA	TGTTCTTTAC	GATGCCATTG	GGATATATCA
	GACTGACTTT	ACGGAGTTTT	ACAAGAAATG	CTACGGTAAC	CCTATATAGT
4151	ACGGTGGTAT	ATCCAGTGAT	TTTTTTCTCC	ATTTTAGCTT	CCTTAGCTCC
	TGCCACCATA	TAGGTCACTA	AAAAAAGAGG	TAAAATCGAA	GGAATCGAGG
4201	TGAAAATCTC	GATAACTCAA	AAAATACGCC	CGGTAGTGAT	CTTATTTCAT
	ACTTTTAGAG	CTATTGAGTT	TTTTATGCGG	GCCATCACTA	GAATAAAGTA
4251	TATGGTGAAA	GTTGGAACCT	CACCCGACGT	CTAATGTGAG	TTAGCTCACT
	ATACCACTTT	CAACCTTGGA	GTGGGCTGCA	GATTACACTC	AATCGAGTGA
4301	CATTAGGCAC	CCCAGGCTTT	ACACTTTATG	CTTCCGGCTC	GTATGTTGTG
	GTAATCCGTG	GGGTCCGAAA	TGTGAAATAC	GAAGGCCGAG	CATACAACAC
			M13 Re	everse prin	mer 100.0%
4351				AGGAAACAGC TCCTTTGTCG	
4401	ATTACGAATT TAATGCTTAA				**

Fig. 12 (cont.)



	EcoRV			SexAl	ا د مریث ز
1	ATCGTGCTGA TAGCACGACT	CCCAGCCGCC GGGTCGGCGG	TTCAGTGAGT AAGTCACTCA		GTCAGCGTGT CAGTCGCACA
51		TGTAGCGGCA ACATCGCCGT	GCAGCAGCAA CGTCGTCGTT	CATTGGCAGC GTAACCGTCG	AACTATGTGA TTGATACACT
		Xma	aI ~~~~		
	KpnI	Sma	aI		
		~~~,	· ~ ~ ~		
	Acc65I	Ava	aI		·
101	GCTGGTACCA CGACCATGGT	GCAGTTGCCC CGTCAACGGG	GGGACGGCGC CCCTGCCGCG	·	
		Bsu36I			BamHI
151	AACAACCAGC	GTCCCTCAGG	CGTGCCGGAT	CGTTTTAGCG	GATCCAAAAG
131	TTGTTGGTCG	CAGGGAGTCC	GCACGGCCTA	GCAAAATCGC	CTAGGTTTTC
					BpuAI
					NhaT
					BbsI
201	CGGCACCAGC	GCGAGCCTTG	CGATTACGGG	CCTGCAAAGC	GAAGACGAAG
	GCCGTGGTCG	CGCTCGGAAC	GCTAATGCCC	GGACGTTTCG	CTTCTGCTTC
			Bs	su36I	
251	CGGATTATTA	TTGCCAGAGC	TATGACATGC	CTCAGGCTGT	GTTTGGCGGC
	GCCTAATAAT	AACGGTCTCG	ATACTGTACG	GAGTCCGACA	CAAACCGCCG
			MscI	Di	caIII
301	GGCACGAAGT	TTAACCGTTC	TTGGCCAGCC	GAAAGCCGCA	CCGAGTGTGA
	CCGTGCTTCA	AATTGGCAAG	AACCGGTCGG	CTTTCGGCGT	GGCTCACACT
351	CGCTGTTTCC	GCCGAGCAGC	GAAGAATTGC	AGGCGAACAA	AGCGACCCTG
	GCGACAAAGG		CTTCTTAACG	TCCGCTTGTT	
401	amamaaamaa	mm> 000> 0mm	mm> maaaaaa	aaaamaa aa a	maaaamaa
401	GTGTGCCTGA			GCCGTGACAG CGGCACTGTC	
		O-LOIM			
451				GGAGACCACC	
	CCGTCTATCG	TCGGGGCAGT	TCCGCCCTCA	CCTCTGGTGG	TGTGGGAGGT
501	AACAAAGCAA	СААСААСТАС	GCGGCCAGCA	GCTATCTGAG	CCTGACGCCT
J 0 I				CGATAGACTC	
		æ		•	

Fig. 13 (cont.)

					<u>, - '</u>
551	GAGCAGTGGA CTCGTCACCT	AGTCCCACAG TCAGGGTGTC	AAGCTACAGC TTCGATGTCG	TGCCAGGTCA ACGGTCCAGT	CGCATGAGGG GCGTACTCCC
				StuI	SphI
601	GAGCACCGTG CTCGTGGCAC	GAAAAAACCG CTTTTTTGGC	TTGCGCCGAC AACGCGGCTG	TGAGGCCTGA ACTCCGGACT	TAAGCATGCG ATTCGTACGC
651	TAGGAGAAAA ATCCTCTTTT	TAAAATGAAA ATTTTACTTT	CAAAGCACTA GTTTCGTGAT	TTGCACTGGC AACGTGACCG	ACTCTTACCG TGAGAATGGC
				MfeI ~~~~~	
701	TTGCTCTTCA AACGAGAAGT	CCCCTGTTAC GGGGACAATG	CAAAGCCCAG GTTTCGGGTC	GTGCAATTGA CACGTTAACT	AAGAAAGCGG TTCTTTCGCC
			•		BspEI
751	CCCGGCCCTG GGGCCGGGAC	GTGAAACCGA CACTTTGGCT	CCCAAACCCT GGGTTTGGGA	GACCCTGACC CTGGGACTGG	TGTACCTTTT ACATGGAAAA
	BspEI				-
801	CCGGATTTAG GGCCTAAATC		TCTGGCGTTG AGACCGCAAC	GCGTGGGCTG CGCACCCGAC	GATTCGCCAG CTAAGCGGTC
		XhoI			
		~~~~	~~		
		AvaI			
851	CCCCCTCCCA	~~~~~ <b>AACCCCTCCA</b>	~~ GTGGCTGGCT	CMCAMMCAMM	CCCAMCAMCA
931	GGCGGACCCT			GACTAACTAA	GGGATGATGA CCCTACTACT
901	TAAGTATTAT ATTCATAATA	AGCACCAGCC TCGTGGTCGG	<del>-</del>	TCTGACCATT AGACTGGTAA	AGCAAAGATA TCGTTTCTAT
	BstBI				
	~~~~~ @£T				
	SfuI				
	NspV				
951		TCAGGTGGTG AGTCCACCAC	_	CCAACATGGA GGTTGTACCT	
BssHII					
1001	ACGGCCACCT	ልጥጥልጥጥር <b>ሶር</b> ር	- ~~ - CCCጥጥCጥCCጥ	CGTTATCGTG	<b>Շ</b> դԵՆփփառ
				GCAATAGCAC	: -

BlpI

Fig. 13 (cont.)

				~ ~ ~ ~ ~ ~ ~ ~	•
		StyI		CelII	
	~ .	· · · · · · · · ·		~~~~~~	None of the second
1051	TTATTGGGGC	CAAGGCACCC	TGGTGACGGT	TAGCTCAGCG	TCGACCAAAG
	AATAACCCCG	GTTCCGTGGG	ACCACTGCCA	ATCGAGTCGC	AGCTGGTTTC
1101	GTCCAAGCGT	GTTTCCGCTG	GCTCCGAGCA	GCAAAAGCAC	CAGCGGCGGC
	CAGGTTCGCA	CAAAGGCGAC	CGAGGCTCGT	CGTTTTCGTG	GTCGCCGCCG
1151	A CCCCTCCCC	ጥሮሮርርጥርርርጥ	CCTTALACAT	TATTTCCCGG	AACCAGTCAC
T +		ACCCGACGGA			TTGGTCAGTG
	IGCCGACGGG	ACCCGACGGA	CCAATITCIA	ATAMAGGCC	IIGGICAGIG
1201	CGTGAGCTGG	<b>AACAGCGGGG</b>	CGCTGACCAG	CGGCGTGCAT	ACCTTTCCGG
	GCACTCGACC	TTGTCGCCCC	GCGACTGGTC	GCCGCACGTA	TGGAAAGGCC
1251	CGGTGCTGCA		_	TGAGCAGCGT	
	GCCACGACGT	TTCGTCGCCG	GACATATCGG	ACTCGTCGCA	ACACTGGCAC
1301	CCGAGCAGCA	GCTTAGGCAC	TCAGACCTAT	ATTTGCAACG	TGAACCATAA
	GGCTCGTCGT		AGTCTGGATA		ACTTGGTATT
					110 1 2 0 0 111 1
					EcoRI
1351	3000300330	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	· >M>>>>>	GGAACCGAAA	~~~~~~
1331		7.7			
	TGGCTCGTTG	TGGTTTCACC	TATTTTTCA	CCTTGGCTTT	TCGCTTAAGC
			BssHII		
			~~~~~		
1401	ACTATAAAGA	TGACGATGAC	AAAGGCGCGC	CGTGGAGCCA	CCCGCAGTTT
	TGATATTTCT	ACTGCTACTG	TTTCCGCGCG	GCACCTCGGT	GGGCGTCAAA
		HindIII			
1451	САААААТСАТ	AAGCTTGACC	<b>ТСТСААСТСА</b>	AAAATGGCGC	AGATTCTCCC
				TTTTACCGCG	
			GIII3 100.0		101111011000
		====			
1501	ACATTTTTTT	TGTCTGCCGT	TTAATTAAAG	GGGGGGGGG	GCCGGCCTGG
	TGTAAAAAA	ACAGACGGCA	<b>AATTAATTTC</b>	CCCCCCCC	CGGCCGGACC
1551	GGGGGGGTGT	ACATGAAATT	GTAAACGTTA	ATATTTTGTT	AAAATTCGCG
	CCCCCCACA	TGTACTTTAA	CATTTGCAAT	TATAAAACAA	TTTTAAGCGC
1601	ጥጥ አ አ አ ጥጥጥጥ	ርጥጥል ልልጥሮልር	ርጥሮ እ ጥጥጥጥጥጥ	AACCAATAGG	СССХХХФССС
1001				TTGGTTATCC	
	NOT I TOUMAN	CARTITAGIC	GAGIANANAN	TIGGITATCC	GGCTTTAGCC
1651	CAAAATCCCT	TATAAATCAA	AAGAATAGAC	CGAGATAGGG	TTGAGTGTTG
	GTTTTAGGGA	ATATTTAGTT	TTCTTATCTG	GCTCTATCCC	AACTCACAAC
1701	TTCCAGTTTG		<del>-</del>		
	AAGGTCAAAC	CTTGTTCTCA	GGTGATAATT	TCTTGCACCT	GAGGTTGCAG

				•	· **
1751	AAAGGGCGAA TTTCCCGCTT	AAACCGTCTA TTTGGCAGAT		GGCCCACTAC:	•
1801	ACCCTAATCA TGGGATTAGT	AGTTTTTTGG TCAAAAAACC	GGTCGAGGTG CCAGCTCCAC	CCGTAAAGCA GGCATTTCGT	
1851	ACCCTAAAGG TGGGATTTCC	GAGCCCCCGA CTCGGGGGCT	TTTAGAGCTT AAATCTCGAA	GACGGGGAAA CTGCCCCTTT	GCCGGCGAAC CGGCCGCTTG
1901	GTGGCGAGAA CACCGCTCTT	AGGAAGGGAA TCCTTCCCTT	GAAAGCGAAA CTTTCGCTTT	GGAGCGGGCG CCTCGCCCGC	CTAGGGCGCT GATCCCGCGA
1951	GGCAAGTGTA CCGTTCACAT	GCGGTCACGC CGCCAGTGCG	TGCGCGTAAC ACGCGCATTG	CACCACACCC GTGGTGTGGG	GCCGCGCTTA CGGCGCGAAT
2001	ATGCGCCGCT TACGCGGCGA	ACAGGGCGCG TGTCCCGCGC	TGCTAGACTA ACGATCTGAT	GTGTTTAAAC CACAAATTTG	CGGACCGGGG GCCTGGCCCC
2051	GGGGGCTTAA CCCCCGAATT	GTGGGCTGCA CACCCGACGT	AAACAAAACG TTTGTTTTGC	GCCTCCTGTC CGGAGGACAG	AGGAAGCCGC TCCTTCGGCG
2101		TAGCCTCACT ATCGGAGTGA			
2151		CAGTGAATCG GTCACTTAGC			
2201		GGGTGGTTTT CCCACCAAAA			
2251		ACCGCCTGGC TGGCGGACCG			
2301		CAGCAGGCGA GTCGTCCGCT			
2351		AGCTGTCCTC TCGACAGGAG			
2401		CGCAGCCCGG GCGTCGGGCC			
2451	_	GTTGGCAACC CAACCGTTGG	<del>-</del>		
2501		TGGTTTGTTG ACCAAACAAC			
2551		ATCGGCTGAA TAGCCGACTT			

Fig. 13 (cont.)

2601	CAGCCAGACG GTCGGTCTGC			TTAATGGGCC AATTACCCGG	AGCTAACAGC TCGATTGTCG
2651		GGTGGCCCAA CCACCGGGTT		TGCTCCACGC ACGAGGTGCG	
2701	ACCGTCCTCA TGGCAGGAGT	TGGGAGAAAA ACCCTCTTTT		GATGGGTGTC CTACCCACAG	TGGTCAGAGA ACCAGTCTCT
2751		TAACGCCGGA ATTGCGGCCT		<del>_</del>	CACAGCAATA GTGTCGTTAT
2801	GCATCCTGGT CGTAGGACCA	CATCCAGCGG GTAGGTCGCC		ATCAGCCCAC TAGTCGGGTG	
		ApaLI			
2851	CGCGAGAAGA GCGCTCTTCT	TTGTGCACCG AACACGTGGC		GGCTTCGACG CCGAAGCTGC	
2901		CACGACCACG GTGCTGGTGC			<del>-</del>
2951		CAATTTGCGA GTTAAACGCT			
3001		AGCAACGACT TCGTTGCTGA			· <del>-</del> ·
3051		ATTCAGCTCC TAAGTCGAGG		CTTCCACTTT GAAGGTGAAA	
3101		CGTGGCTGGC GCACCGACCG		ACGCGGGAAA TGCGCCCTTT	
3151		GCATACTCTG CGTATGAGAC	CGACATCGTA GCTGTAGCAT		GGTTTCACAT CCAAAGTGTA
3201	TCACCACCCT AGTGGTGGGA	GAATTGACTC CTTAACTGAG		GCTATCATGC CGATAGTACG	CATACCGCGA GTATGGCGCT
3251		GCCATTCGAT CGGTAAGCTA		TGAGCAAAAG ACTCGTTTTC	GCCAGCAAAA CGGTCGTTTT
3301		CGTAAAAAGG GCATTTTTCC		<del>_</del>	
3351		CGAGCATCAC GCTCGTAGTG			
3401	AACCCGACAG	GACTATAAAG	ATACCAGGCG	TTTCCCCCTG	GAAGCTCCCT

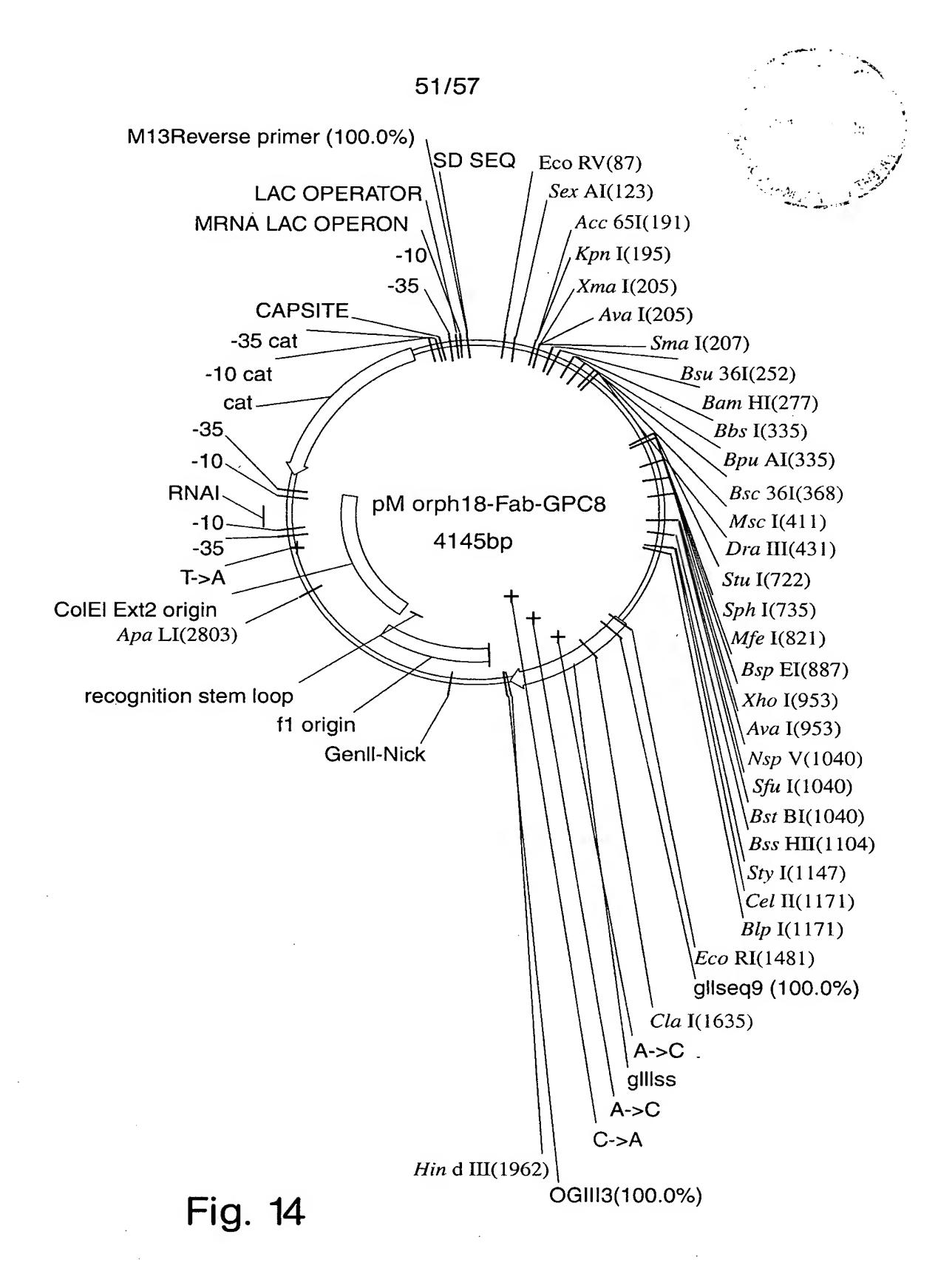
				•	
	TTGGGCTGTC	CTGATATTTC	TATGGTCCGC	AAAGGGGGAC	CTTCGAGGGA
3451	CCTCCCCTCT	ССПСППСССА	CCCMCCCCCM	ma <i>ccc</i> camac	CITICATO COCOM
JEJI					CTGTCCGCCT
	GCACGCGAGA	GGACAAGGCT	GGGACGCCGA	ATGGCCTATG	GACAGGCGGA
3501	TTCTCCCTTC				
	AAGAGGGAAG	CCCTTCGCAC	CGCGAAAGAG	TATCGAGTGC	GACATCCATA
				~ ·	ApaLI
3551	CTCAGTTCGG	TGTAGGTCGT	TCGCTCCAAG	CTGGGCTGTG	TGCACGAACC
	GAGTCAAGCC	ACATCCAGCA	AGCGAGGTTC	GACCCGACAC	ACGTGCTTGG
3601	CCCCGTTCAG	CCCGACCGCT	GCGCCTTATC	CGGTAACTAT	CGTCTTGAGT
	GGGGCAAGTC	GGGCTGGCGA	CGCGGAATAG	GCCATTGATA	GCAGAACTCA
3651	CCAACCCGGT	AAGACACGAC	TTATCGCCAC	TGGCAGCAGC	CACMCCMA A C
3031				· <del>-</del>	CACTGGTAAC
	GGTTGGGCCA	TTCTGTGCTG	AATAGCGGTG	ACCGTCGTCG	GTGACCATTG
3701	AGGATTAGCA	GAGCGAGGTA	TGTAGGCGGT	GCTACAGAGT	TCTTGAAGTG
	TCCTAATCGT	CTCGCTCCAT	ACATCCGCCA	CGATGTCTCA	AGAACTTCAC
3751	СТССССТААС	<b>ТАССССТАСА</b>	CTAGAAGAAC	<b>እርጥእጥጥጥርር</b> ጥ	ATCTGCGCTC
3,31			GATCTTCTTG		
	CACCGGAIIG	AIGCCGAIGI	GATCTICTIG	ICATAAACCA	TAGACGCGAG
3801	TGCTGTAGCC	AGTTACCTTC	GGAAAAAGAG	TTGGTAGCTC	TTGATCCGGC
	ACGACATCGG	TCAATGGAAG	CCTTTTTCTC	AACCATCGAG	AACTAGGCCG
3851	AAACAAACCA	CCGCTGGTAG	CGGTGGTTTT	TTTGTTTGCA	AGCAGCAGAT
	TTTGTTTGGT	GGCGACCATC	GCCACCAAAA	AAACAAACGT	TCGTCGTCTA
					-0010010111
3901	TACGCGCAGA	AAAAAAGGAT	CTCAAGAAGA	TCCTTTGATC	TTTTCTACGG
	ATGCGCGTCT	TTTTTTCCTA	GAGTTCTTCT	AGGAAACTAG	AAAAGATGCC
3951	GGTCTGACGC	TCAGTGGAAC	GAAAACTCAC	GTTAAGGGAT	TTTGGTCAGA
	CCAGACTGCG	AGTCACCTTG	CTTTTGAGTG	CAATTCCCTA	
4001	mcma cca cca	CCCCMMma a C	CCC2 CC2 2 M2	A COMO COMPA A	33333mm3 <i>aa</i>
4001	TCTAGCACCA		GGCACCAATA		
	AGATCGTGGT	CCGCAAATTC	CCGTGGTTAT	TGACGGAATT	TTTTTAATGC
4051	CCCCGCCCTG	CCACTCATCG	CAGTACTGTT	GTAATTCATT	AAGCATTCTG
	GGGGCGGGAC	GGTGAGTAGC	GTCATGACAA	CATTAAGTAA	TTCGTAAGAC
4101	CCGACATGGA	AGCCATCACA	AACGGCATGA	TGAACCTGAA	TCGCCAGCGG
			TTGCCGTACT		
4151	CATCAGCACC	TTGTCGCCTT	GCGTATAATA	TTTGCCCATA	GTGAAAACGG
	GTAGTCGTGG	AACAGCGGAA	CGCATATTAT	AAACGGGTAT	CACTTTTGCC
4201	GGGCGAAGAA	ではない。	mmcccm» ccm	ጠጠአአአጠጣኋኋኋ	3 CMCCMC
34VI					
	CCCGCTTCTT	CAACAGGTAT	AACCGATGCA	AATTTAGTTT	TGACCACTTT

Fig. 13 (cont.)



					4.
4251	CTCACCCAGG	GATTGGCTGA	GACGAAAAAC	ATATTCTCAA	TAAACCCTTT
	GAGTGGGTCC	CTAACCGACT		TATAAGAGTT	
					\\earticles
4301	AGGGAAATAG	GCCAGGTTTT	CACCGTAACA	CGCCACATCT	TGCGAATATA
	TCCCTTTATC	CGGTCCAAAA	GTGGCATTGT	GCGGTGTAGA	ACGCTTATAT
			•		المعينيين والمستنا
4351	TGTGTAGAAA	CTGCCGGAAA	TCGTCGTGGT	ATTCACTCCA	GAGCGATGAA
	ACACATCTTT	GACGGCCTTT	AGCAGCACCA	TAAGTGAGGT	CTCGCTACTT
4401	AACGTTTCAG	TTTGCTCATG	GAAAACGGTG	TAACAAGGGT	GAACACTATC
	TTGCAAAGTC	AAACGAGTAC	CTTTTGCCAC	ATTGTTCCCA	CTTGTGATAG
4451		AGCTCACCGT		CATACGGAAC	TCCGGGTGAG
	GGTATAGTGG	TCGAGTGGCA	GAAAGTAACG	GTATGCCTTG	AGGCCCACTC
4501	CATTCATCAG			AGGCCGGATA	
	GTAAGTAGTC	CGCCCGTTCT	TACACTTATT	TCCGGCCTAT	TTTGAACACG
4554	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
4551	TTATTTTTCT	TTACGGTCTT	TAAAAAGGCC	GTAATATCCA	
	AATAAAAAGA	AATGCCAGAA	ATTTTTCCGG	CATTATAGGT	CGACTTGCCA
4601	CMCCMM2 M2 C	CM2C2MMC2C		3 3 3 MCCCCMC3	3.3.3.00cmm.cmm
400T		GTACATTGAG CATGTAACTC			
	GACCAMINIC	CAIGIAACIC	GITGACTGAC	TTTACGGAGT	TTTACAAGAA
4651	<b>ጥ</b> ል ርር ል ሞር ርር ል	TTGGGATATA	ጥሮል እ ሮሮርጥሮር	TATATO CA CIT	
#0 <b>J</b> I		AACCCTATAT			
	AIGCIACGGI	MCCCINIAI	AGIIGCACC	AIAIAGICA	CIMMANANG
4701	<b>ТССАТТТТА</b>	CTTCCTTAGC	<b>ТССТСА А А А Т</b>	СФССАТААСТ	СУУУУ
.,		GAAGGAATCG		<del>-</del> - <del>-</del> - <del>-</del>	
4751	GCCCGGTAGT	GATCTTATTT	CATTATGGTG	AAAGTTGGAA	CCTCACCCGA
		CTAGAATAAA		TTTCAACCTT	
4801	CGTCTAATGT	GAGTTAGCTC	ACTCATTAGG	CACCCCAGGC	TTTACACTTT
	GCAGATTACA	CTCAATCGAG	TGAGTAATCC	GTGGGGTCCG	AAATGTGAAA
4851	ATGCTTCCGG	CTCGTATGTT	GTGTGGAATT	GTGAGCGGAT	AACAATTTCA
	TACGAAGGCC	GAGCATACAA	CACACCTTAA	CACTCGCCTA	TTGTTAAAGT
	M13 Reverse	primer 10	00.0%	XbaI	
				~~~~~	
4901	CACAGGAAAC	AGCTATGACC			AACGAGGGCA
	GTGTCCTTTG	TCGATACTGG	TACTAATGCT	TAAAGATCTA	TTGCTCCCGT
			•		
4951		AAGACAGCTA			
	TTTTTACTTT	TTCTGTCGAT	AGCGCTAACG	TCACCGTGAC	CGACCAAAGC
				•	
		EcoRV			
E001		~~~			
5001		GCAGGCCGAT CGTCCGGCTA			
	GUIGCUICG	CGICCGGCIA			







#### 52/57 ATGAAAAAGA CAGCTA

1 TCAGATAACG AGGGCAAAAA ATGAAAAAGA CAGCTATCGC GATTGCAGTG AGTCTATTGC TCCCGTTTTT TACTTTTTCT GTCGATAGCG CTAACGTCAC

EcoRV

51 GCACTGGCTG GTTTCGCTAC CGTAGCGCAG GCCGATATCG TGCTGACCCA CGTGACCGAC CAAAGCGATG GCATCGCGTC CGGCTATAGC ACGACTGGGT

#### SexAI

101 GCCGCCTTCA GTGAGTGGCG CACCAGGTCA GCGTGTGACC ATCTCGTGTA CGGCGGAAGT CACTCACCGC GTGGTCCAGT CGCACACTGG TAGAGCACAT

KpnI

Acc65I

151 GCGGCAGCAG CAGCAACATT GGCAGCAACT ATGTGAGCTG GTACCAGCAG CGCCGTCGTC GTCGTTGTAA CCGTCGTTGA TACACTCGAC CATGGTCGTC

XmaI

SmaI

AvaI

Bsu36I

201 TTGCCCGGGA CGGCGCCGAA ACTGCTGATT TATGATAACA ACCAGCGTCC AACGGGCCCT GCCGCGGCTT TGACGACTAA ATACTATTGT TGGTCGCAGG

Bsu36I

BamHI

251 CTCAGGCGTG CCGGATCGTT TTAGCGGATC CAAAAGCGGC ACCAGCGCGA GAGTCCGCAC GGCCTAGCAA AATCGCCTAG GTTTTCGCCG TGGTCGCGCT

#### BpuAI

#### Phat

BbsI

301 GCCTTGCGAT TACGGGCCTG CAAAGCGAAG ACGAAGCGGA TTATTATTGC CGGAACGCTA ATGCCCGGAC GTTTCGCTTC TGCTTCGCCT AATAATAACG

#### Bsu36I

351 CAGAGCTATG ACATGCCTCA GGCTGTGTTT GGCGGCGGCA CGAAGTTTAA GTCTCGATAC TGTACGGAGT CCGACACAAA CCGCCGCCGT GCTTCAAATT

#### MscI

#### DraIII

- 401 CCGTTCTTGG CCAGCCGAAA GCCGCACCGA GTGTGACGCT GTTTCCGCCG GGCAAGAACC GGTCGGCTTT CGGCGTGGCT CACACTGCGA CAAAGGCGGC
- 451 AGCAGCGAAG AATTGCAGGC GAACAAAGCG ACCCTGGTGT GCCTGATTAG
  TCGTCGCTTC TTAACGTCCG CTTGTTTCGC TGGGACCACA CGGACTAATC
- 501 CGACTTTTAT CCGGGAGCCG TGACAGTGGC CTGGAAGGCA GATAGCAGCC

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		53	/57		
	GCTGAAAATA	GGCCCTCGGC	ACTGTCACCG	GACCTTCCGT	CTATCGTCGG
551	CCGTCAAGGC GGCAGTTCCG	GGGAGTGGAG CCCTCACCTC	ACCACCACAC TGGTGGTGTG	CCTCCAAACA GGAGGTTTGT	AAGCAACAAC TTCGTTGTTG
601	AAGTACGCGG TTCATGCGCC	CCAGCAGCTA GGTCGTCGAT		ACGCCTGAGC TGCGGACTCG	AGTGGAAGTC TCACCTTCAG
651	CCACAGAAGC GGTGTCTTCG	TACAGCTGCC ATGTCGACGG		TGAGGGGAGC ACTCCCCTCG	ACCGTGGAAA TGGCACCTTT
		St	tuI	SphI	
701	AAACCGTTGC TTTGGCAACG	GCCGACTGAG CGGCTGACTC	·		AGAAAATAAA TCTTTTATTT
751	ATGAAACAAA TACTTTGTTT		ACTGGCACTC TGACCGTGAG	TTACCGTTGC AATGGCAACG	TCTTCACCCC AGAAGTGGGG
			MfeI		
801			AATTGAAAGA TTAACTTTCT		· -
				BspE:	[ 
851			CTGACCTGTA GACTGGACAT		
901			GGGCTGGATT CCCGACCTAA		
,	XhoI ~~~~~ AvaI				
951	CCTCGAGTGG		TTGATTGGGA AACTAACCCT	<del>_</del> _	
		•		Bst	BI
		•		Sfi ~~~ Nsi	~~~~
1001		AACGCGTCTG TTGCGCAGAC	ACCATTAGCA TGGTAATCGT	AAGATACTTC TTCTATGAAG	
1051			CATGGACCCG GTACCTGGGC		
	BssHII				StyI
1101	TTGCGCGCGT AACGCGCGCA		ATCGTGGTGC TAGCACCACG		TGGGGCCAAG ACCCCGGTTC
		B	lpI	Fig. 1	4 (cont.)

		~~	~~~~		•	
	StyI ~	Ce	elII ~~~~~	- •		
1151		GACGGTTAGC CTGCCAATCG			AAGCGTGTTT	
1201	CCGCTGGCTC GGCGACCGAG	CGAGCAGCAA GCTCGTCGTT	AAGCACCAGC TTCGTGGTCG		CTGCCCTGGG GACGGGACCC	
1251		AAAGATTATT TTTCTAATAA		AGTCACCGTG TCAGTGGCAC	AGCTGGAACA TCGACCTTGT	
1301		GACCAGCGGC CTGGTCGCCG		TTCCGGCGGT AAGGCCGCCA	GCTGCAAAGC CGACGTTTCG	
1351		ATAGCCTGAG TATCGGACTC		ACCGTGCCGA TGGCACGGCT	GCAGCAGCTT CGTCGTCGAA	
1401		ACCTATATTT TGGATATAAA		CCATAAACCG GGTATTTGGC	AGCAACACCA TCGTTGTGGT	
				EcoRI		
1451	<b>ል ል</b> ርጥርር ልጥል ል	AAAACTCCAA	CCGAAAAGCG	AATTCGGGGG	ACCCACCCC	
1431	TTCACCTATT	TTTTCACCTT		TTAAGCCCCC		
1501	AGCGGTGATT TCGCCACTAA	TTGATTATGA AACTAATACT	TTTCTACCGT	AACGCTAATA TTGCGATTAT seq9 100.09	TCCCCCGATA	
			======		===	
1551	GACCGAAAAT CTGGCTTTTA	GCCGATGAAA CGGCTACTTT	ACGCGCTACA TGCGCGATGT	GTCTGACGCT CAGACTGCGA	AAAGGCAAAC TTTCCGTTTG	
				ClaI		
1601	TTGATTCTGT AACTAAGACA		TACGGTGCTG ATGCCACGAC		TTTCATTGGT AAAGTAACCA	
1651	GACGTTTCCG CTGCAAAGGC	GCCTTGCTAA CGGAACGATT	TGGTAATGGT ACCATTACCA		ATTTTGCTGG TAAAACGACC	
1701	CTCTAATTCC GAGATTAAGG	CAAATGGCTC GTTTACCGAG	AAGTCGGTGA TTCAGCCACT	CGGTGATAAT GCCACTATTA	TCACCTTTAA AGTGGAAATT	
1751				TCCCTCAATC AGGGAGTTAG		
1801				TATGAATTTT ATACTTAAAA		
1851				TGCGTTTCTT ACGCAAAGAA	·	
1901				CTAACATACT GATTGTATGA		
Fig. 14 (cont.)						



#### HindIII

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1951	Ca Cጥር ጥጥር a ጥ	AAGCTTGACC	ጥርጥርል እርጥርል	3	A C A MM C M C C C		
1931	CTCAGAACTA				AGATTGTGCG		
	CTCAGAACTA			TTTTACCGCG	TCTAACACGC		
		O	GIII3 100.	J%	مرهادا القصير		
2001	ACATTTTTTT	ጥርጥርጥርሮርርጥ	<b>ጥጥ</b> እጥር እ አ አ ጥ	TGTAAACGTT	AATATTTTGT		
2001							
	TGTAAAAAA	ACAGACGGCA	AATTACTTTA	ACATTTGCAA	TTATAAAACA		
2051	TAAAATTCGC	GTTAAATTTT	TGTTAAATCA	GCTCATTTTT	TAACCAATAG		
				CGAGTAAAA	<del>_</del>		
					mr toolinic		
2101	GCCGAAATCG	GCAAAATCCC	TTATAAATCA	AAAGAATAGA	CCGAGATAGG		
		CGTTTTAGGG		··· ·	GGCTCTATCC		
					OCCICIATO		
2151	GTTGAGTGTT	GTTCCAGTTT	GGAACAAGAG	TCCACTATTA	AAGAACGTGG		
•	CAACTCACAA	CAAGGTCAAA	CCTTGTTCTC	AGGTGATAAT	TTCTTGCACC		
2201	ACTCCAACGT	CAAAGGGCGA	AAAACCGTCT	ATCAGGGCGA	TGGCCCACTA		
	TGAGGTTGCA	GTTTCCCGCT	TTTTGGCAGA		ACCGGGTGAT		
		•					
2251	CGAGAACCAT	CACCCTAATC	<b>AAGTTTTTTG</b>	GGGTCGAGGT	GCCGTAAAGC		
	GCTCTTGGTA	GTGGGATTAG	TTCAAAAAAC	CCCAGCTCCA	CGGCATTTCG		
2301	<b>ACTAAATCGG</b>	AACCCTAAAG	GGAGCCCCCG	ATTTAGAGCT	TGACGGGGAA		
	TGATTTAGCC	TTGGGATTTC	CCTCGGGGGC	TAAATCTCGA	ACTGCCCCTT		
				+ +			
2351	AGCCGGCGAA	CGTGGCGAGA	AAGGAAGGGA	AGAAAGCGAA	AGGAGCGGC		
	TCGGCCGCTT	GCACCGCTCT	TTCCTTCCCT	TCTTTCGCTT	TCCTCGCCCG		
2401	GCTAGGGCGC	TGGCAAGTGT	AGCGGTCACG	CTGCGCGTAA	CCACCACACC		
	CGATCCCGCG	ACCGTTCACA	TCGCCAGTGC	GACGCGCATT	GGTGGTGTGG		
2451	CGCCGCGCTT	AATGCGCCGC	TACAGGGCGC	GTGCTAGCCA	TGTGAGCAAA		
	GCGGCGCGAA	TTACGCGGCG	ATGTCCCGCG	CACGATCGGT	ACACTCGTTT		
2501	AGGCCAGCAA	<b>AAGGCCAGGA</b>	ACCGTAAAAA	GGCCGCGTTG	CTGGCGTTTT		
	TCCGGTCGTT	TTCCGGTCCT	TGGCATTTTT	CCGGCGCAAC	GACCGCAAAA		
2551	TCCATAGGCT	CCGCCCCCT	GACGAGCATC	ACAAAAATCG	ACGCTCAAGT		
	AGGTATCCGA	GGCGGGGGA	CTGCTCGTAG	TGTTTTTAGC	TGCGAGTTCA		
2601	CAGAGGTGGC	GAAACCCGAC	AGGACTATAA	AGATACCAGG	CGTTTCCCCC		
	GTCTCCACCG	CTTTGGGCTG	TCCTGATATT	TCTATGGTCC	GCAAAGGGGG		
2651	TGGAAGCTCC	CTCGTGCGCT	CTCCTGTTCC	GACCCTGCCG	CTTACCGGAT		
	ACCTTCGAGG	GAGCACGCGA	GAGGACAAGG	CTGGGACGGC	GAATGGCCTA		
2701	ACCTGTCCGC	CTTTCTCCCT	TCGGGAAGCG	TGGCGCTTTC	TCATAGCTCA		
	TGGACAGGCG	GAAAGAGGGA	AGCCCTTCGC	ACCGCGAAAG	<b>AGTATCGAGT</b>		
2751	CGCTGTAGGT	ATCTCAGTTC	GGTGTAGGTC	GTTCGCTCCA	AGCTGGGCTG		
	GCGACATCCA	TAGAGTCAAG	CCACATCCAG	CAAGCGAGGT	TCGACCCGAC		
	ApaLI		1/ /				
	~~~~~		1/1 /	<b>4</b> /			



		56/	57		
2801	TGTGCACGAA ACACGTGCTT	CCCCCGTTC GGGGGGCAAG		CTGCGCCTTA GACGCGGAAT	
2851	ATCGTCTTGA TAGCAGAACT	•		ACTTATCGCC TGAATAGCGG	ACTGGCAGCA TGACCGTCGT
2901		ACAGGATTAG TGTCCTAATC			GTGCTACAGA CACGATGTCT
2951		TGGTGGCCTA ACCACCGGAT			<del>_</del> _ <del>_</del>
3001		TCTGCTGTAG AGACGACATC			
3051		GCAAACAAAC CGTTTGTTTG		AGCGGTGGTT TCGCCACCAA	
3101	CAAGCAGCAG GTTCGTCGTC	ATTACGCGCA TAATGCGCGT		ATCTCAAGAA TAGAGTTCTT	GATCCTTTGA CTAGGAAACT
3151	TCTTTTCTAC AGAAAAGATG		GCTCAGTGGA CGAGTCACCT	ACGAAAACTC TGCTTTTGAG	ACGTTAAGGG TGCAATTCCC
3201		GATCTAGCAC CTAGATCGTG		AGGGCACCAA TCCCGTGGTT	TAACTGCCTT ATTGACGGAA
3251	AAAAAAATTA TTTTTTTAAT	CGCCCCGCCC		CGCAGTACTG GCGTCATGAC	
3301	TTAAGCATTC AATTCGTAAG		GAAGCCATCA CTTCGGTAGT	CAAACGGCAT GTTTGCCGTA	
3351	AATCGCCAGC TTAGCGGTCG			TTGCGTATAA AACGCATATT	TATTTGCCCA ATAAACGGGT
3401	TAGTGAAAAC ATCACTTTTG	GGGGGCGAAG CCCCCGCTTC	AAGTTGTCCA TTCAACAGGT	TATTGGCTAC ATAACCGATG	
3451	AAACTGGTGA TTTGACCACT	AACTCACCCA TTGAGTGGGT	GGGATTGGCT CCCTAACCGA	GAGACGAAAA CTCTGCTTTT	ACATATTCTC TGTATAAGAG
3501	AATAAACCCT TTATTTGGGA		AGGCCAGGTT TCCGGTCCAA	TTCACCGTAA AAGTGGCATT	
3551	· · · · · · · · · · · · · · · · · ·	TATGTGTAGA ATACACATCT			
+1 3601		AAAACGTTTC TTTTGCAAAG			
3651		TCCCATATCA AGGGTATAGT			



3701	ACTCCGGGTG	AGCATTCATC	AGGCGGGCAA	GAATGTGAAT	AAAGGCCGGA		
	TGAGGCCCAC	TCGTAAGTAG	TCCGCCCGTT	CTTACACTTA	TTTCCGGCCT		
3751	TAAAACTTGT	GCTTATTTTT	CTTTACGGTC	TTTAAAAAGG	CCGTAATATC		
	ATTTTGAACA	CGAATAAAAA	GAAATGCCAG	AAATTTTTCC	GGCATTATAG		
2004							
3801				AGCAACTGAC			
	GTCGACTTGC	CAGACCAATA	TCCATGTAAC	TCGTTGACTG	ACTTTACGGA		
3851	CAAAAMCMMC		CAMMCCCAMA	Mamora accom	00m2m2m002		
202T				TATCAACGGT	- <del></del>		
	GTTTTACAAG	AAATGCTACG	GTAACCCTAT	ATAGTTGCCA	CCATATAGGT		
3901	<b>Շ</b> փՇ≱փփփփփ	<b>ጥርጥር አ</b> ጥጥጥ	አ <i>ር</i> ርጥጥርርጥጥ አ	GCTCCTGAAA	<b>ልጥርጥ</b> ርርልጥል አ		
<i>33</i> <b>4 -</b>				CGAGGACTTT			
	CACIMIMA	MGMGGIAMM	1CGMGGMA1	CGAGGACIII	INGAGCIAII		
3951	CTCAAAAAAT	ACGCCCGGTA	GTGATCTTAT	TTCATTATGG	TGAAAGTTGG		
	GAGTTTTTTA	TGCGGGCCAT	CACTAGAATA	AAGTAATACC	ACTTTCAACC		
4001	AACCTCACCC	GACGTCTAAT	GTGAGTTAGC	TCACTCATTA	GGCACCCCAG		
	TTGGAGTGGG	CTGCAGATTA	CACTCAATCG	AGTGAGTAAT	CCGTGGGGTC		
4051				TTGTGTGGAA	·		
	CGAAATGTGA	AATACGAAGG	CCGAGCATAC	AACACACCTT	AACACTCGCC		
M13 Reverse primer 100.0%							
HTO VEASTBE PITHET TOO.0.0							
1101	7 M 7 7 C 7 7 MMM			 	CAAMM		
#TOT	ATAACAATTT						
	TATTGTTAAA	GTGTGTCCTT	TGTCGATACT	GGTACTAATG	CTTAA		